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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

CASTLE AFB, CALIFORNIA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28871-2723

SEPTEMBER 1991

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JOSEPH L. BOYTE
CHIEF, CLIMATIC APPLICATIONS, OL-A

FOR THE COMMANDER

Walter S. Burgmann
WALTER S. BURGMANN
SCIENTIFIC AND TECHNICAL INFORMATION
PROGRAM MANAGER

10 OCT 1991

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: OCT 80 - SEP 90 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 42 - NOV 46, DEC 47 - SEP 90 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 724810	STATION NAME CASTLE AFB, CA/MERCED	LATITUDE N 37 23	LONGITUDE W 120 34	FLD ELEV (FT) 188	CALL SIGN MER	WMO NMBR 72481			
STATION LOCATION AND INSTRUMENTATION HISTORY									
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location ----- From To		LATITUDE	LONGITUDE	Elev Above MSL ----- FLD (FT) BARO (FT)		OBS PER DAY
1	Merced AAF, CA	AAF	Jan 42	Oct 44	N 37 20	W120 31	173	176	24
2	Same	Same	Nov 44	Dec 45	N 37 22	W120 34	Same	Same	24
3	Castle Field, CA	Same	Jan 46	Nov 46	Same	Same	Same	Same	24
4	Castle AFB, CA	AFB	Dec 47	Feb 54	Same	Same	187	195	24
5	Same	Same	Mar 54	Jan 65	Same	Same	Same	178	24
6	Same	Same	Feb 65	Sep 66	Same	Same	198	197	24
7	Same	Same	Oct 66	Dec 72	Same	Same	Same	179	24
8	Same	Same	Dec 72	Dec 80	Same	Same	188	Same	24
9	Same	Same	Dec 80	Jan 88	N 37 23	Same	Same	Same	24

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 42	On Post Ops Bldg #4	Selsyn	ML-144	35 ft	
2	Nov 42	Same	Same	Same	38 ft	
3	May 45	On control tower	Same	Same	90 ft	
4	Dec 47	Same	Same	Same	76 ft	
5	Jun 48	Same	Same	Same	65 ft	
6	Mar 54	Same	Same	Same	105 ft	
7	Mar 56	300' WNW of wind tee	AN/GMQ-11	RO-2	10 ft	
8	Mar 60	5000' from apch end rnwy	Same	Same	13 ft	
9	Mar 61	Midpt & 900' R of active rnwy	Same	Same	15 ft	
10	Feb 65	1. 1350' up rnwy 30 600' NE ctr 2. 1300' up rnwy 12 500' NE ctr	Same	Same	13 ft	
11	Dec 72	1&2: Same	GMQ-20	RO-362	Same	
12	Jan 88	1&2: Same	Same	Same	Same	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	AAAAAAAA
PF	AAAAAAAA	RR RR	TT	AAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		8.2				8.2	65.6	5.1			78.8	930
03-05		8.9				8.9	69.4	3.4			81.7	930
06-08		9.4				9.4	72.8	3.1			85.3	930
09-11		8.1				8.1	69.5	10.8			88.3	930
12-14	.1	5.5				5.5	46.8	26.7			78.9	930
15-17	.1	5.7				5.7	32.8	33.7			72.2	930
18-20	.1	5.4				5.4	40.9	21.2			67.4	930
21-23		7.1				7.1	55.2	12.0			74.3	930
ALL HOURS	.0	7.3				7.3	56.6	14.5			78.4	7440

MONTH: FEB

00-02	.2	7.1			.1	7.2	28.1	7.0			42.3	846
03-05		8.9				8.9	33.9	4.1			46.9	846
06-08		8.9				8.9	44.6	5.6			59.0	846
09-11		7.4		.1		7.6	34.5	21.7			63.8	846
12-14		7.4				7.4	12.2	28.0		.1	47.8	846
15-17	.1	7.9				7.9	5.9	26.4			40.2	846
18-20		7.4				7.4	9.8	16.3			33.6	846
21-23	.2	7.4				7.4	17.0	8.6			33.1	846
ALL HOURS	.1	7.8		.0	.0	7.8	23.3	14.7		.0	45.8	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		10.3				10.3	7.1	1.8			19.2	930
03-05		10.4				10.4	10.8	2.3			23.4	930
06-08		10.1				10.1	22.0	4.9			37.1	930
09-11		9.7				9.7	11.1	9.1		.1	30.0	930
12-14	.4	8.0			.2	8.2	3.5	8.8		.3	20.9	930
15-17	.9	8.8			.2	9.0	1.6	7.6		.3	18.6	930
18-20	.3	8.4				8.4	2.5	5.9			16.8	930
21-23		9.7				9.7	4.0	2.5			16.1	930
ALL HOURS	.2	9.4			.1	9.5	7.8	5.4		.1	22.8	7440

MONTH: APR

00-02		3.7				3.7	1.2	.3			5.2	900
03-05		3.0				3.0	4.7	.6			8.2	900
06-08		3.8				3.8	11.9	7.7			23.3	900
09-11	.1	2.2				2.2	1.7	5.3			9.2	900
12-14	.4	3.2				3.2	.1	3.0		.2	6.6	900
15-17	.2	3.4				3.4	.4	2.3		.3	6.6	900
18-20	.1	4.2				4.2	.6	1.7		.1	6.6	900
21-23		3.8				3.8		.1			3.9	900
ALL HOURS	.1	3.4				3.4	2.6	2.6		.1	8.7	7200

A - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		1.1				1.1					1.1	930
03-05		.9				.9		.1			1.0	930
06-08	.1	1.6				1.6		1.0			2.6	930
09-11		1.1				1.1	.1	.8			1.9	930
12-14		1.5				1.5	.4	.3		.2	2.5	930
15-17		1.4				1.4					1.4	930
18-20	.2	1.4				1.4		.1			1.5	930
21-23	.2	.8				.8					.8	930
ALL HOURS	.1	1.2				1.2	.1	.3		.0	1.6	7440

MONTH: JUN

00-02	.2	.3				.3					.3	900
03-05	.2	.8				.8		.1			.9	900
06-08	.1	.8				.8	.4	1.0			2.2	900
09-11		.6				.6	.3	.9			1.8	900
12-14		.6				.6		1.1		.1	1.8	900
15-17	.1	.1				.1		1.2			1.3	900
18-20	.3	.1				.1		.7			.8	900
21-23	.2	.3				.3					.3	900
ALL HOURS	.2	.4				.4	.1	.6		.0	1.2	7200

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												930
03-05												930
06-08	.1	.1				.1		.2			.3	930
09-11	.1	.1				.1		.5			.6	930
12-14								.5			.5	930
15-17		.1				.1		.3		.2	.6	930
18-20		.1				.1		.6		.2	1.0	930
21-23		.1				.1		.1			.2	930
ALL HOURS	.0	.1				.1		.3		.1	.4	7440

MONTH: AUG

00-02												930
03-05	.1	.1				.1		.1			.2	930
06-08	.3	.2				.2		2.8			3.0	930
09-11	.1	.2				.2		1.9			2.2	930
12-14	.1	.2				.2		1.4		.2	1.8	930
15-17	.1	.5				.5		1.4		.1	2.0	930
18-20	.1	.1				.1		1.2			1.3	930
21-23	.1							.3			.3	930
ALL HOURS	.1	.2				.2		1.1		.0	1.4	7440

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.1	1.8				1.8	1.3	1.4			4.6	900
03-05	.1	1.2				1.2	1.4	1.2			3.9	900
06-08		1.0				1.0	4.0	9.2			14.2	900
09-11	.1	1.9				1.9	1.2	12.7			15.8	900
12-14		2.0				2.0	.7	9.7			12.3	900
15-17		2.0				2.0	.3	8.7		.7	11.7	898
18-20	.3	2.7				2.7	.7	5.4			8.7	897
21-23	.1	2.2				2.2	.7	2.8			5.7	897
ALL HOURS	.1	1.8				1.8	1.3	6.4		.1	9.6	7192

MONTH: OCT

00-02	.2	2.6				2.6	4.6	10.2			17.4	930
03-05		3.0				3.0	11.3	10.6			24.9	930
06-08		2.2				2.2	24.7	22.4			49.2	930
09-11		1.5				1.5	4.7	34.0			40.2	930
12-14		2.4				2.4	.6	29.0		.1	32.2	930
15-17	.2	2.2				2.2	.9	25.7			28.7	930
18-20	.3	3.0				3.0	.9	18.1			21.9	930
21-23		2.6				2.6	4.0	15.3			21.8	930
ALL HOURS	.1	2.4				2.4	6.5	20.7		.0	29.6	7440

A - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		5.8				5.8	34.9	15.7			56.3	900
03-05		6.6				6.6	39.1	13.0			58.7	900
06-08		6.9				6.9	49.2	14.7			70.8	900
09-11		7.2				7.2	33.1	29.9			70.2	900
12-14		7.6				7.6	13.1	39.0		.3	60.0	900
15-17		7.8				7.8	9.1	38.8			55.7	900
18-20		7.9				7.9	16.7	26.3			50.9	900
21-23		4.9				4.9	26.8	18.7			50.3	900
ALL HOURS		6.8				6.8	27.8	24.5		.0	59.1	7200

MONTH: DEC

00-02		6.5				6.5	64.9	4.8		.1	76.3	930
03-05		8.1				8.1	68.7	3.7			80.4	930
06-08		10.4				10.4	73.5	4.2			88.2	930
09-11		10.4		.1		10.5	68.0	12.5			91.0	930
12-14		8.5		.2		8.7	48.0	29.0			85.7	930
15-17		6.9				6.9	39.2	35.3			81.4	930
18-20		8.1				8.1	51.4	20.2			79.7	930
21-23	.1	7.3				7.3	61.4	9.7		.1	78.5	930
ALL HOURS	.0	8.3		.0		8.3	59.4	14.9		.0	82.6	7440

A - 2 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	7.3				7.3	56.6	14.5			78.4	7440
FEB	.1	7.8		.0	.0	7.8	23.3	14.7		.0	45.8	6768
MAR	.2	9.4			.1	9.5	7.8	5.4		.1	22.8	7440
APR	.1	3.4				3.4	2.6	2.6		.1	8.7	7200
MAY	.1	1.2				1.2	.1	.3		.0	1.6	7440
JUN	.2	.4				.4	.1	.6		.0	1.2	7200
JUL	.0	.1				.1		.3		.1	.4	7440
AUG	.1	.2				.2		1.1		.0	1.4	7440
SEP	.1	1.8				1.8	1.3	6.4		.1	9.6	7192
OCT	.1	2.4				2.4	6.5	20.7		.0	29.6	7440
NOV		6.8				6.8	27.8	24.5		.0	59.1	7200
DEC	.0	8.3		.0		8.3	59.4	14.9		.0	82.6	7440
ANNUAL	.1	4.1		.0	.0	4.1	15.5	8.8		.0	28.4	87640

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	1.0	39.4		.4	.4	39.5	72.4	53.1			89.8	1387
FEB	2.1	35.6		.3	.4	35.7	56.8	49.7			78.7	1264
MAR	3.1	31.6		.1	1.6	31.6	29.8	29.5			59.8	1380
APR	2.7	20.9		.2	.9	20.9	11.8	15.3			35.9	1319
MAY	1.7	11.1			.1	11.1	1.9	6.5		.1	17.6	1355
JUN	1.2	5.2				5.2	.5	5.8		.2	11.0	1317
JUL	.7	3.7				3.7	.6	5.1			8.4	1362
AUG	.7	2.4				2.4	.9	8.4			10.6	1365
SEP	2.4	7.0				7.0	6.8	25.5			31.7	1323
OCT	1.3	12.9			.2	12.9	26.4	50.8		.5	62.5	1350
NOV	.5	29.5		.2	.1	29.5	60.2	65.8			86.7	1305
DEC	.7	38.5	.1	.4	.3	38.5	75.8	57.8		.1	91.6	1366
ANNUAL	1.5	19.8	.0	.1	.3	19.8	28.6	31.0		.1	48.6	16093

A - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02		.2				.2			.1	.2		
03-05						.2		.1	.1			
06-08					.1	.1	.1	.3				
09-11				.1			.1	.1	.1			
12-14	.1		.4	.4				.1				
15-17	.1	.1	.9	.2		.1		.1		.2		
18-20	.1		.3	.1	.2	.3		.1	.3	.3		
21-23		.2			.2	.2		.1	.1			.1
ALL HOURS	.0	.1	.2	.1	.1	.2	.0	.1	.1	.1		.0
TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7440	7192	7440	7200	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS				33.3	66.7		3
LIQUID PRECIP	9.3		10.0	47.8	24.1	8.9	540
FREEZING PRECIP							
FROZEN PRECIP							
FOG	40.1		13.1	22.2	16.9	7.7	4145
FOG WITH VIS GE 1/2 MILES	37.9		14.1	22.7	17.0	8.3	3253
TOTAL OBS	2561	0	1210	1761	1191	717	0 7440

MONTH: FEB HOURS: ALL

TSTMS	40.0		20.0	20.0	20.0		5
LIQUID PRECIP	11.0		12.1	57.8	14.2	4.9	528
FREEZING PRECIP							
FROZEN PRECIP			100.0				1
FOG	48.8		16.5	20.4	6.8	7.4	1517
FOG WITH VIS GE 1/2 MILES	47.7		16.3	21.3	6.6	8.1	1282
TOTAL OBS	2135	0	1776	1507	649	701	0 6768

A - 5 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS			5.3	52.6	26.3	15.8	19
LIQUID PRECIP	11.1		13.2	47.7	19.7	8.4	692
FREEZING PRECIP							
FROZEN PRECIP							
FOG	36.1		22.8	20.5	11.2	9.4	552
FOG WITH VIS GE 1/2 MILES	32.8		23.7	21.9	12.2	9.5	485
TOTAL OBS	1708	0	2740	1406	706	880	0 7440

MONTH: APR HOURS: ALL

TSTMS			50.0	12.5	37.5		8
LIQUID PRECIP	10.3		20.2	36.2	23.0	10.3	243
FREEZING PRECIP							
FROZEN PRECIP							
FOG	28.7		40.4	15.8	5.3	9.9	171
FOG WITH VIS GE 1/2 MILES	28.3		41.6	14.5	5.4	10.2	166
TOTAL OBS	1202	0	3791	550	417	1240	0 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 60 - SEP 90
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS					40.0	60.0	5
LIQUID PRECIP	13.8		43.7	20.7	9.2	12.6	87
FREEZING PRECIP							
FROZEN PRECIP							
FOG			40.0	60.0			5
FOG WITH VIS GE 1/2 MILES			40.0	60.0			5
TOTAL OBS	726	0	4279	157	252	2026	7440

MONTH: JUN HOURS: ALL

TSTMS			18.2		18.2	63.6	11
LIQUID PRECIP	22.6		45.2	3.2		29.0	31
FREEZING PRECIP							
FROZEN PRECIP							
FOG	85.7		14.3				7
FOG WITH VIS GE 1/2 MILES	85.7		14.3				7
TOTAL OBS	392	0	4136	64	114	2494	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSIMS			50.0			50.0	2
LIQUID PRECIP			100.0				3
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	417	0	4073	43	95	2812	7440

MONTH: AUG HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSIMS	11.1		66.7			22.2	9
LIQUID PRECIP	10.0		50.0	30.0	10.0		10
FREEZING PRECIP							
FROZEN PRECIP							
FOG							
FOG WITH VIS GE 1/2 MILES							
TOTAL OBS	487	0	4084	73	75	2721	7440

A - 5 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS			28.6		14.3	57.1	7
LIQUID PRECIP	10.0		30.8	20.8	14.6	23.8	130
FREEZING PRECIP							
FROZEN PRECIP							
FOG	18.5		30.4	20.7	9.8	20.7	92
FOG WITH VIS GE 1/2 MILES	18.5		30.4	20.7	9.8	20.7	92
TOTAL OBS	1115	0	3277	250	311	2239	0 7192

MONTH: OCT HOURS: ALL

TSTMS	42.9				14.3	42.9	7
LIQUID PRECIP	16.0		23.4	29.1	18.3	13.1	175
FREEZING PRECIP							
FROZEN PRECIP							
FOG	41.5		28.3	12.9	3.6	13.7	417
FOG WITH VIS GE 1/2 MILES	40.1		29.4	13.0	3.5	14.0	401
TOTAL OBS	2353	0	2429	512	448	1698	0 7440

A - 5 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSTMS							
LIQUID PRECIP	13.4		10.0	49.5	17.7	9.4	491
FREEZING PRECIP							
FROZEN PRECIP							
FOG	42.3		14.5	23.8	10.4	9.0	1904
FOG WITH VIS GE 1/2 MILES	42.6		14.9	23.2	10.5	8.9	1701
TOTAL OBS	2594	0	1625	1316	696	969	0 7200

MONTH: DEC HOURS: ALL

TSTMS	100.0						1
LIQUID PRECIP	14.1		14.5	49.2	13.7	8.5	622
FREEZING PRECIP							
FROZEN PRECIP				66.7	33.3		3
FOG	41.6		14.1	20.0	14.8	9.5	4332
FOG WITH VIS GE 1/2 MILES	40.0		14.9	20.6	13.8	10.7	3133
TOTAL OBS	2636	0	1314	1718	1015	757	0 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 329	NO OF OBS
TSIMS	9.1		22.1	16.9	22.1	29.9	77
LIQUID PRECIP	12.0		15.1	45.9	17.7	9.3	3552
FREEZING PRECIP							
FROZEN PRECIP			25.0	50.0	25.0		4
FOG	41.5		15.4	21.0	13.2	8.8	13142
FOG WITH VIS GE 1/2 MILES	40.0		16.4	21.4	12.7	9.5	10525
TOTAL OBS	18326	0	34734	9357	5969	19254	0 87640

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTT	BBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PERIOD.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE	NAVY AND NATIONAL WEATHER SERVICE
THROUGH 1945: 0800 LST	THROUGH JUN 1952: 0030 GMT
JAN 1946 TO MAY 1957: 1230 LST	JUN 1952 TO MAY 1957: 1230 GMT
JUN 1957 TO PRESENT: 1200 GMT	JUN 1957 TO PRESENT: 1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	61.0	64.2	67.1	78.5	88.6	95.0	96.4	97.7	93.3	87.4	71.0	61.2	80.3
TRACE	13.6	9.9	8.1	6.3	5.0	2.8	3.1	1.4	2.8	4.7	9.2	14.6	6.7
.01	3.0	1.8	1.7	.7	.5	.3			.2	1.1	1.6	3.6	1.2
.02-.05	4.3	4.1	5.0	2.8	1.7	1.0	.3	.5	1.2	1.9	4.7	4.8	2.7
.06-.10	3.1	4.0	3.2	1.9	.9	.3	.2	.1	.5	1.1	1.7	3.1	1.7
.11-.25	5.7	6.5	6.2	4.2	1.7	.3		.3	1.3	1.2	4.7	5.1	3.1
.26-.50	4.5	5.4	5.2	3.3	1.1	.2		.1	.4	1.6	3.5	4.5	2.4
.51-1.00	3.9	3.0	2.9	1.9	.3		.1		.2	.8	3.4	2.5	1.6
1.01-2.50	1.0	1.1	.5	.3	.1				.1	.3	.3	.7	.4
2.51-5.00			.1										.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	25.5	25.9	24.8	15.2	6.4	2.2	.5	.9	3.8	8.0	19.9	24.3	13.0
TOTAL NO. OF OBSERVATIONS	1473	1342	1457	1440	1488	1434	1488	1488	1440	1457	1395	1457	17359

B - 2 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	.00*	TRACE*	*	3.22	1.06	.00*	TRACE	TRACE	.00	.32	1.38	1.39	7.37*
43	2.14	1.07	3.11	.80	TRACE	.00	.00	.00	.00	.14	.15	1.09	8.50
44	2.15	3.98	.23	1.13	.44	.16	.00	.00	TRACE	1.56	2.37	1.36	13.38
45	.34	2.70	2.54	.20	.42	TRACE	TRACE	TRACE	TRACE	1.07	1.64	2.46	11.37
46	.77	1.51	1.00	TRACE	1.17	.00	.02	.00	.20	.48	.61*		5.76*
47												.63	.63*
48	.02	.87	2.67	2.82	1.68	.04	.00	.00	.00	.48	.08	1.51	10.17
49	1.15	1.42	2.38	TRACE	.47	TRACE	TRACE	TRACE	.00	TRACE	.77	1.16	7.35
50	3.49	1.25	1.14	.64	.02	.00	TRACE	.00	.12	1.42	.76	2.25	11.09
51	1.45	1.36	.18	1.07	.36	TRACE	.00	.00	.00	.69	1.41	4.05	10.57
52	5.05	.60	2.60	1.70	.18	.02	TRACE	.00	.08	TRACE	1.04	2.20	13.47
53	.56	.09	.89	1.84	.20	.46	.00	TRACE	.00	.20	1.59	.92	6.75
54	1.39	1.55	2.82	1.34	.30	.26	.00	.00	.00	.00	.98	1.68	10.32
55	4.04	.58	.26	1.16	.82	.00	TRACE	TRACE	.00	.08	.83	7.38	15.15
56	3.87	.69	.11	2.40	.54	TRACE	TRACE	.00	.18	.53	TRACE	.42	8.74
57	2.08	1.63	.74	.93	1.03	.06	TRACE	.00	.10	.36	.76	2.22	9.91
58	3.46	4.27	6.39	3.47	.77	.03	TRACE	TRACE	.21	TRACE	.03	.13	18.76
59	2.66	1.98	.11	1.50	.11	.00	TRACE	TRACE	1.63	.00	.00	.15	8.14
60	2.05	2.51	.65	1.65	TRACE	.00	TRACE	.00	.03	.04	1.95	.54	9.42
61	2.47	.84	1.79	.55	.46	.04	TRACE	.04	.28	TRACE	2.73	1.17	10.37
62	1.34	5.74	.77	.06	TRACE	TRACE	TRACE	.00	.00	.40	.27	2.03	10.61
63	2.37	3.01	1.87	2.82	.44	.05	.00	.00	.26	1.47	2.36	.10	14.75
64	.99	.18	1.57	.28	.24	.41	TRACE	.12	.00	1.48	2.17	3.51	10.95
65	1.22	.74	1.22	2.01	TRACE	.00	TRACE	.20	.00	.10	4.25	2.03	11.77
66	1.27	.40	.31	.55	.17	TRACE	TRACE	.00	TRACE	.00	1.70	2.23	6.63
67	2.41	.18	1.72	3.96	.12	.16	.00	.00	.09	.04	1.47	.55	10.70
68	1.74	1.52	1.63	.32	.05	.00	.00	TRACE	.00	.72	2.76	2.88	11.62
69	8.08	4.24	1.01	1.59	TRACE	.02	TRACE	.00	.26	.65	1.59	1.15	18.59
70	3.81	.91	1.84	.16	TRACE	.04	TRACE	.00	.00	.71	3.28	1.89	12.64
71	.84	.49	1.16	1.18	1.16	.00	TRACE	TRACE	.07	.42	.87	2.62	8.81
72	.79	.75	TRACE	.65	TRACE	TRACE	.00	.00	.05	.65	4.21	1.61	8.71
73	3.57	4.99	3.54	.04	TRACE	TRACE	.00	.00	.00	2.28	1.52	4.17	20.11
74	1.74	.81	2.26	1.50	.00	.06	.64	.00	.00	1.41	.35	2.22	10.99
75	.78	3.43	3.14	1.77	.00	.00	.06	.46	TRACE	2.14	.43	.04	12.25

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.20	1.96	.53	1.68	.05	.05	.04	.49	1.28	.05	1.05	.61	7.99
77	.74	.49	1.19	.11	.94	.25	.00	.00	TRACE	.01	.36	2.53	6.62
78	5.58	4.19	4.18	3.12	.00	.00	TRACE	.00	.62	.00	1.90	.68	20.27
79	4.73	3.61	1.78	.33	.12	TRACE	.07	.00	.04	.95	1.25	1.73	14.61
80	3.78	4.76	.99	.74	.48	.03	.05	.00	.00	.14	TRACE	.77	11.74
81	4.77	1.34	3.84	.72	.03	.00	TRACE	.00	.01	1.36	4.32	.92	17.31
82	1.66	2.05	5.97	1.22	.00	.05	TRACE	TRACE	1.18	1.10	3.04	1.98	18.25
83	5.15	4.06	4.76	2.22	.05	.00	.00	.07	.83	.37	3.47	3.34	24.32
84	.24	1.63	.86	.26	TRACE	.19	.09	TRACE	.05	1.41	2.55	1.60	8.88
85	.53	.81	2.33	.05	TRACE	.29	TRACE	.02	TRACE	.62	2.89	.94	8.48
86	.57	3.09	3.67	.46	TRACE	.00	TRACE	.00	.20	TRACE	TRACE	.65	8.64
87	1.28	2.95	4.33	.12	.10	.00	.00	TRACE	.00	.26	1.02	3.59	13.65
88	1.57	.77	.11	3.46	.29	.07	.00	TRACE	.00	TRACE	1.37	1.74	9.38
89	.51	1.39	2.20	.10	.15	.00	.00	.02	1.50	1.98	.48	.04	8.37
90	2.39	1.88	.90	.59	1.63	TRACE	TRACE	.00	.06				7.45*
LEAST	.02	.09	TRACE	TRACE	.00	.00	.00	.00	.00	.00	.00	.04	6.62
GREATEST	8.08	5.74	6.39	3.96	1.68	.46	.64	.49	1.63	2.28	4.32	7.38	24.32
MEAN	2.21	1.94	1.90	1.22	.33	.06	.02	.03	.19	.60	1.51	1.72	11.80
MEDIAN	1.74	1.51	1.63	1.00	.14	TRACE	TRACE	.00	.01	.40	1.38	1.60	10.70
SD	1.732	1.477	1.544	1.078	.443	.109	.094	.100	.403	.645	1.207	1.355	4.091
TOTAL OBS	1473	1342	1457	1440	1488	1434	1488	1488	1440	1457	1395	1457	17359

THE GREATEST VALUE OF 8.08 OCCURRED ON 01/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	.00*	TRACE*	*	.62	.36	.00*	TRACE	TRACE	.00	.32	.37	.69	.69*
43	.90	.33	1.29	.40	TRACE	.00	.00	.00	.00	.04	.14	.52	1.29
44	.71	1.12	.19	.27	.44	.12	.00	.00	TRACE	1.19	.87	.51	1.19
45	.28	1.11	.82	.20	.34	TRACE	TRACE	TRACE	TRACE	.57	.65	.80	1.11
46	.63	.79	.40	TRACE	.65	.00	.02	.00	.20	.46	.59*		.79*
47												.38	.38*
48	.02	.40	.65	.67	1.38	.04	.00	.00	.00	.48	.05	.56	1.38
49	.52	.27	.82	TRACE	.29	TRACE	TRACE	TRACE	.00	TRACE	.41	.42	.82
50	.67	.68	.86	.63	.02	.00	TRACE	.00	.12	.39	.24	.90	.90
51	.47	.40	.13	.80	.31	TRACE	.00	.00	.00	.65	.73	1.15	1.15
52	1.91	.20	.60	.85	.18	.02	TRACE	.00	.08	TRACE	.64	.77	1.91
53	.18	.07	.44	.84	.14	.44	.00	TRACE	.00	.20	.81	.88	.88
54	1.01	1.04	1.05	1.16	.30	.21	.00	.00	.00	.00	.55	.92	1.16
55	1.03	.30	.25	.37	.54	.00	TRACE	TRACE	.00	.08	.51	1.52	1.52
56	.97	.25	.11	1.49	.24	TRACE	TRACE	.00	.11	.34	TRACE	.30	1.49
57	.74	.40	.20	.57	.49	.06	TRACE	.00	.10	.25	.74	.50	.74
58	1.16	1.03	1.66	.89	.51	.03	TRACE	TRACE	.14	TRACE	.02	.12	1.66
59	1.16	.45	.06	1.13	.11	.00	TRACE	TRACE	1.28	.00	.00	.13	1.28
60	.69	1.12	.52	.77	TRACE	.00	TRACE	.00	.02	.04	.73	.51	1.12
61	.96	.38	.69	.38	.46	.04	TRACE	.04	.28	TRACE	1.05	.71	1.05
62	.64	1.34	.32	.04	TRACE	TRACE	TRACE	.00	.00	.40	.25	1.38	1.38
63	1.35	1.68	.54	.68	.29	.05	.00	.00	.25	1.02	.73	.10	1.68
64	.52	.07	.33	.15	.14	.33	TRACE	.12	.00	.79	.67	.80	.80
65	.39	.46	.47	.48	TRACE	.00	TRACE	.16	.00	.10	.95	.49	.95
66	.76	.14	.18	.33	.09	TRACE	TRACE	.00	TRACE	.00	.48	.70	.76
67	.84	.17	.63	.78	.05	.11	.00	.00	.09	.04	.42	.29	.84
68	.58	.58	.57	.32	.05	.00	.00	TRACE	.00	.50	.73	.71	.73
69	2.22	.65	.36	1.06	TRACE	.02	TRACE	.00	.21	.50	.78	.40	2.22
70	.83	.19	.85	.12	TRACE	.03	TRACE	.00	.00	.31	.82	.51	.85
71	.30	.18	.45	.46	.34	.00	TRACE	TRACE	.07	.42	.41	.82	.82
72	.61	.38	TRACE	.34	TRACE	TRACE	.00	.00	.03	.27	.93	.52	.93
73	.86	1.38	.67	.04	TRACE	TRACE	.00	.00	.00	1.77	.67	1.17	1.77
74	.40	.24	.62	.83	.00	.06	.64	.00	.00	.58	.21	1.50	1.50
75	.31	1.06	.69	.53	.00	.00	.06	.46	TRACE	1.47	.26	.01	1.47

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.19	.73	.42	.66	.05	.05	.04	.24	.54	.05	.57	.48	.73
77	.44	.30	.95	.08	.35	.21	.00	.00	TRACE	.01	.31	1.16	1.16
78	1.16	.90	.91	.84	.00	.00	TRACE	.00	.25	.00	1.23	.34	1.23
79	1.35	.85	.51	.33	.12	TRACE	.07	.00	.04	.50	.53	.95	1.35
80	.97	1.23	.46	.30	.23	.03	.03	.00	.00	.13	TRACE	.51	1.23
81	1.42	.40	1.09	.45	.03	.00	TRACE	.00	.01	.79	1.44	.37	1.44
82	.54	.97	1.03	.90	.00	.05	TRACE	TRACE	.63	.56	.89	.99	1.03
83	1.00	.65	.76	.41	.05	.00	.00	.05	.39	.16	.70	.71	1.00
84	.17	.62	.44	.14	TRACE	.19	.09	TRACE	.03	.69	.54	.55	.69
85	.28	.54	.63	.03	TRACE	.29	TRACE	.02	TRACE	.62	.79	.30	.79
86	.16	.81	1.42	.23	TRACE	.00	TRACE	.00	.15	TRACE	TRACE	.34	1.42
87	.56	1.30	2.63	.12	.07	.00	.00	TRACE	.00	.16	.49	1.68	2.63
88	.68	.32	.11	1.68	.11	.06	.00	TRACE	.00	TRACE	.52	.47	1.68
89	.31	.53	.56	.08	.14	.00	.00	.02	.52	1.03	.43	.03	1.03
90	.69	.83	.26	.38	.86	TRACE	TRACE	.00	.04				.86*

GREATEST	2.22	1.68	2.63	1.68	1.38	.44	.64	.46	1.28	1.77	1.44	1.68	2.63
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TOTAL OBS	1473	1342	1457	1440	1488	1434	1488	1488	1440	1457	1395	1457	17359
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THE GREATEST VALUE OF 2.63 OCCURRED ON 03/05/87

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.6	99.9
TRACE	.3	.3	.1	.1							.2	.3	.1
0.1-0.4	.1												.0
0.5-1.4	.1											.1	.0
1.5-2.4													
2.5-3.4													
3.5-4.4													
4.5-6.4													
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	.1											.1	.0
TOTAL NO. OF OBSERVATIONS	1364	1241	1364	1320	1364	1320	1364	1364	1320	1333	1275	1333	15962

B - 3 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	*	*	*	*	*	*	*	*	*	*	*	*	.0*
43	*	*	*	*	*	*	*	*	*	*	*	*	.0*
44	*	*	*	*	*	*	*	*	*	*	*	*	.0*
45	*	*	*	*	*	*	*	*	*	*	*	*	.0*
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*		.0*
47												.0	.0*
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

B - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
89	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
90	.0	TRACE	.0	.0	.0	.0	.0	.0	.0				TRACE*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	.7	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	.9
MEAN	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
MEDIAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SD	.106	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.137	.174
TOTAL OBS	1364	1241	1364	1320	1364	1320	1364	1364	1320	1333	1275	1333	15962

THE GREATEST VALUE OF .9 OCCURRED ON 12/68

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	*	*	*	*	*	*	*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0*		.0*
47												.0	.0*
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	TRACE	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
79	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
89	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
90	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE*
GREATEST	.6	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	.9
TOTAL OBS	1364	1241	1364	1320	1364	1320	1364	1364	1320	1333	1275	1333	15962

THE GREATEST VALUE OF .9 OCCURRED ON 12/20/68

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TRACE	.1												.0
1													
2													
3													
4-6													
7-12													
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS													
TOTAL NO. OF OBSERVATIONS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	0	0	0	0	0	0*	0	0	0	0	0	0	0*
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0*		0*
47												0	0*
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0

B - 4 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0				0*

GREATEST	TRACE	0	0	0	0	0*	0	0	0	0	0*	0	TRACE*
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TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417
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THE GREATEST VALUE OF TRACE OCCURRED ON 01/21/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA

PERIOD OF RECORD: 4201-4611,4712-9009
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
56 - 57	JAN 26			JAN 26		
61 - 62	JAN 21	JAN 21		JAN 22	JAN 22	
67 - 68	DEC 18			DEC 18		
68 - 69	DEC 19	DEC 20		DEC 20	DEC 20	
74 - 75	JAN 28			APR 25		
75 - 76	FEB 05			FEB 05		
77 - 78	NOV 20			NOV 21		
78 - 79	DEC 18			JAN 27		
81 - 82	JAN 02			JAN 02		
88 - 89	DEC 27			FEB 08		
89 - 90	FEB 18			FEB 18		
MEDIAN-DATE	JAN 02	JAN 05		JAN 26	JAN 05	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC
PP	AA AA	RR RR	TT	

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
42	*	*	*	*	*	*	*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	NW 30	NNW 35	NNW 42	NNW 34	*	*	*	*	*	*	*	*	NNW*42
47													*
48	*	*	*	*	NW *26	NNW*30	NNW*24	*	NW 23	*	*	SE *36	SE *36
49	NW *39	*	*	*	*	*	*	*	*	*	*	*	NW *39
50	*	*	*	*	*	*	*	*	*	*	SE *36	N 39	N *39
51	SE 33	SE 27	NW 28	WNW 25	NNW 34	NW 30	NW 22	NW 19	NW 21	NW 26	ESE 34	ESE 41	ESE 41
52	SE 51	S 28	SE 49	SE 30	N 33	NW 26	NW 23	NW 19	N 30	NW 19	SE 35	SE 43	SE 51
53	SE 35	NW 43	SE 38	NW 33	SW 33	NW 26	NW 26	NW 23	NNW 30	SE 36	SE 34	NW 29	NW 43
54	ESE 43	ESE 40	ESE 30	NW 38	NW 30	NW 40	NW 28	NNW 29	NW 29	NW 39	SE 35	SE 47	SE 47
55	SE 43	NW 54	NW 42	NW 42	NW 43	NW 32	NNW 30	NW *22	NNW 35	NNW 37	ESE 37	SE 36	NW *54
56	SE 50	NW 49	NW 44	E 40	W 29	NNW 29	NNW 23	NW 23	WSW 28	WNW*25	NW 28	NW 22	SE *50
57	SE 35	SE 35	NW 29	NNW 36	S 27	NNW 25	SW 22	NNW 21	NW 22	NNW 26	WNW 21	ESE 28	NNW 36
58	SE 34	SE 31	S 36	SE 35	NNW 21	SW 24	N *22	NW *20	WSW*25	NNW 22	NW 26	SE 20	S *36
59	SE 40	ESE 42	NW 25	N 25	NW 28	NW 24	NNW 20	W 22	SE 26	NW 36	NW 25	NW 37	ESE 42
60	SE 33	SSE 35	S 30	NW 32	NW 30	WNW 26	NW 20	NW 22	NW 25	WNW 36	SW 30	SE 33	WNW 36
61	S 23	NW 27	NW 31	NNW 31	NW 30	NW 25	NNW 28	NW *26	N *20	WNW*37	SE *28	SE *24	WNW*37
62	SSE 36	ESE 40	SE 34	NW 28	NW 25	NW 23	NNW 18	NNW 21	NW 42	SSE 43	NNW 28	SE 26	SSE 43
63	SSE 38	SSE 27	SE 30	WSW 22	W *24	NNW 29	NNW 22	NW 19	WNW 24	NW 21	ESE 33	NNW 17	SSE*38
64	SE 51	WNW*44	*	NW *29	WSW 27	SSE 29	WNW 22	NW 22	WNW 23	WSW 24	ESE 34	E 37	SE *51
65	ESE 34	NW 35	S 26	SE 34	NW 32	WSW 29	WNW 19	NW 25	WNW 29	NW 28	SE 31	ESE 34	NW 35
66	SE 36	NW 37	W 27	NW 29	WSW 24	WNW 26	NW 24	NNW 24	NW 26	NW 33	ESE 33	SSE 36	NW 37
67	ESE 47	WNW 30	SSE 32	NNE 30	ESE 23	SSE 20	NNW 19	NW 18	W 22	W 28	SSE 28	NW 42	ESE 47
68	SE 32	ESE 28	ESE 26	NNW 48	WNW 28	NW 30	32/ 20	29/ 25	34/ 22	07/ 24	11/ 36	14/ 33	NNW 48
69	11/ 40	11/ 46	34/ 35	32/ 27	29/ 24	34/ 25	34/ 19	32/ 21	05/ 21	34/ 33	34/ 20	14/ 34	11/ 46
70	13/ 35	15/ 28	12/ 34	30/ 28	33/ 25	27/ 27	33/ 18	33/ 18	33/ 24	33/ 24	14/ 46	14/ 36	14/ 46
71	32/ 34	32/ 34	17/ 38	35/ 32	33/ 30	34/ 26	32/ 22	32/ 26	32/ 26	33/ 40	13/ 26	14/ 45	14/ 45
72	14/ 39	14/ 26	32/ 31	15/ 36	15/ 30	26/ 28	32/ 20	32/ 20	28/ 21	19/ 30	12/ 34	13/ 40	13/ 40
73	16/ 42	14/ 34	13/ 38	34/ 30	33/ 22	15/ 30	33/ 22	32/ 24	33/ 24	14/ 35	17/ 44	19/ 32	17/ 44
74	33/ 30	15/ 37	16/*38	25/ 33	33/ 24	34/ 29	36/ 24	35/ 23	33/ 18	24/ 34	34/ 22	33/ 39	33/*39
75	15/ 36	16/ 38	34/ 40	27/ 26	35/ 38	36/ 21	35/ 18	35/ 20	34/ 19	32/ 32	33/ 26	33/ 22	34/ 40

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
76	35/ 16	15/ 23	14/ 39	33/ 34	34/ 26	32/ 26	32/ 23	35/ 22	30/ 23	32/ 23	35/ 19	33/ 23	14/ 39
77	15/ 33	34/ 31	33/ 33	32/ 33	21/ 27	24/ 25	33/ 22	35/ 20	33/ 23	33/ 22	11/ 34	14/ 41	14/ 41
78	12/ 43	14/ 41	12/ 45	35/ 26	34/ 36	34/ 29	27/ 24	34/ 25	35/ 30	33/ 31	12/ 29	33/ 50	33/ 50
79	14/ 41	13/ 32	14/ 35	35/ 32	32/ 31	32/ 28	33/ 23	34/ 20	33/ 23	33/ 30	33/ 23	13/ 39	14/ 41
80	13/ 35	33/ 34	35/ 36	34/ 27	36/ 36	33/ 23	32/ 20	29/ 23	24/ 22	33/ 40	35/ 21	14/ 32	33/ 40
81	15/ 39	33/ 26	13/ 25	33/ 19	32/ 27	33/ 28	30/ 21	32/ 19	36/ 24	02/*22	15/ 30	14/ 29	15/*39
82	13/ 40	33/ 22	12/ 43	15/ 28	31/ 27	32/ 22	35/ 19	34/ 20	30/ 30	33/ 26	12/ 34	19/ 33	12/ 43
83	14/ 42	12/ 52	12/ 51	35/ 29	35/ 25	34/ 22	34/ 20	32/ 18	13/ 18	33/ 19	12/ 34	13/ 34	12/ 52
84	35/ 20	33/ 24	34/ 33	32/ 34	33/ 27	31/ 26	35/ 18	32/ 25	34/ 20	12/ 37	13/ 32	35/ 32	12/ 37
85	17/ 16	34/ 38	12/ 31	33/ 32	33/ 23	35/ 20	33/ 23	35/ 22	33/ 21	12/ 31	14/ 24	13/ 27	34/ 38
86	10/ 25	12/ 30	12/ 38	34/ 26	32/ 23	35/ 24	35/ 18	30/ 17	13/ 25	32/ 24	33/ 33	32/ 18	12/ 38
87	36/ 33	34/ 29	15/ 35	34/ 24	23/ 26	35/ 18	22/ 23	34/ 16	32/ 17	34/ 17	31/ 26	12/ 36	12/ 36
88	11/ 25	19/ 36	34/ 32	29/ 30	30/ 25	34/ 25	34/ 21	34/ 17	32/ 19	33/ 21	14/ 24	14/ 42	14/ 42
89	27/ 23	33/ 19	14/ 27	33/ 20	34/ 19	33/ 16	33/ 17	35/ 16	08/ 20	13/ 29	14/ 25	14/ 14	13/ 29
90	34/ 25	14/ 41	34/ 27	34/ 25	34/ 20	34/ 20	34/ 18	32/ 18	33/ 24				14/*41
GREATEST	SE 51	NW 54	12/ 51	NNW 48	NW 43	NW 40	NNW 30	NNW 29	NW 42	SSE 43	14/ 46	33/ 50	NW 54
TOTAL OBS	1265	1142	1222	1221	1248	1211	1249	1204	1192	1163	1161	1226	14504

THE PEAK WIND OF 54 FROM NW OCCURRED ON 02/18/55

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	1.9	33.8	31.3	12.7	9.5	4.3	3.6	1.5	1.2	.2	.0	13.8	11.0	1265
FEB	.8	24.3	33.8	17.7	9.4	7.4	3.9	1.5	1.1	.2	.0	15.1	13.0	1142
MAR	.2	14.6	32.0	25.2	14.8	6.1	4.4	1.6	.8	.1	.0	16.5	15.0	1222
APR	.2	5.1	32.9	32.7	19.0	6.7	2.6	.5	.3	.0	.0	17.0	16.0	1221
MAY	.0	1.4	24.5	43.8	22.7	5.3	1.8	.3	.1	.0	.0	17.6	17.0	1248
JUN	.0	.7	25.1	46.7	21.9	4.5	1.1	.0	.1	.0	.0	17.4	17.0	1211
JUL	.0	1.3	37.7	48.9	10.9	1.0	.2	.0	.0	.0	.0	15.7	15.0	1249
AUG	.0	3.2	45.9	41.9	8.3	.7	.0	.0	.0	.0	.0	14.8	15.0	1204
SEP	.0	7.7	47.9	32.6	10.0	1.3	.3	.1	.1	.0	.0	14.5	14.0	1192
OCT	.3	19.5	43.6	21.1	11.2	2.2	1.1	.7	.3	.0	.0	13.9	13.0	1163
NOV	2.6	34.9	31.8	14.9	8.2	3.6	3.1	.7	.3	.0	.0	13.0	11.0	1161
DEC	2.4	36.5	30.9	12.8	7.2	4.0	3.3	1.8	1.0	.1	.0	13.3	10.0	1226
ANNUAL	.7	15.1	34.7	29.4	12.8	3.9	2.1	.7	.4	.0	.0	15.2	14.0	14504

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.0	.6	.2									3.9	3.8	3.0
020-040	2.4	.2	.1									2.7	3.0	3.0
050-070	2.8	.3										3.1	2.1	2.0
(E) 080-100	5.8	.9	.2									6.9	3.0	2.0
110-130	9.4	2.2	.9	.8	.2							13.3	4.6	3.0
140-160	6.8	3.2	1.2	.5	.5							12.3	5.9	4.0
(S) 170-190	3.1	1.5										4.6	3.6	3.0
200-220	1.7	.3										2.0	2.9	2.0
230-250	.5	.1										.6	3.2	2.0
(W) 260-280	.5	.2	.1									.9	4.8	4.0
290-310	1.9	1.1	.5	.1								3.7	5.3	4.0
320-340	3.0	2.3	.6	.4								6.3	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											39.7	////////////////////////////////	
TOTALS	40.9	12.9	3.8	1.8	.7							100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 930

C - 4 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.0	.4									4.8	3.8	3.0
020-040	2.6	.1										2.7	2.7	2.0
050-070	2.3	.1	.1									2.5	2.3	2.0
(E) 080-100	4.3	.9										5.2	3.0	3.0
110-130	7.5	3.3	1.1	.5	.3							12.8	5.2	4.0
140-160	7.2	2.4	1.0	.4	.2	.1						11.3	5.3	4.0
(S) 170-190	3.8	.8										4.5	2.8	2.0
200-220	1.4	.5										1.9	3.7	3.0
230-250	.5	.2										.8	4.0	3.0
(W) 260-280	.9	.1										1.0	2.7	2.0
290-310	1.7	1.1	.2									3.0	4.4	3.5
320-340	4.8	2.0	1.0	.1								8.0	4.9	4.0
VARIABLE														
CALM	////////////////////											41.6	////////	
TOTALS	40.4	12.5	3.8	1.0	.5	.1						100.0	2.5	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.2	.5									6.3	4.3	4.0
020-040	2.8											2.8	2.0	2.0
050-070	2.5	.1										2.6	2.3	2.0
(E) 080-100	4.8	.5	.1									5.5	2.8	2.0
110-130	6.2	3.5	1.8		.3							11.9	5.5	4.0
140-160	5.2	2.4	1.1	.2	.2							9.0	5.4	4.0
(S) 170-190	3.4	1.2										4.6	3.6	3.0
200-220	1.9											1.9	2.4	2.0
230-250	1.0	.3										1.3	3.4	3.0
(W) 260-280	1.1	.2	.1									1.4	4.0	3.0
290-310	2.7	.6	.1									3.4	3.8	3.0
320-340	4.8	2.8	.9	.3								8.8	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											40.3	////////	
TOTALS	40.1	13.8	4.6	.5	.5							100.0	2.6	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	3.1	2.0	.4									5.6	4.9	4.0
020-040	1.7	1.0										2.7	3.7	4.0
050-070	1.7	.4										2.2	2.6	2.0
(E) 080-100	3.3	.8	.1									4.2	3.2	2.0
110-130	8.9	3.8	2.3	.6	.3	.1						16.0	5.8	4.0
140-160	6.0	5.1	1.4	.5	.2	.1						13.3	6.0	5.0
(S) 170-190	6.5	2.2	.2									8.8	3.6	3.0
200-220	3.1	.8	.1									4.0	3.1	2.0
230-250	1.3	.5	.2									2.0	4.4	3.0
(W) 260-280	1.7	.3										2.0	3.3	4.0
290-310	2.3	.4										2.7	3.6	4.0
320-340	3.8	4.4	1.8	.4	.4							10.9	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											25.6	////////////////////////////////	
TOTALS	43.4	21.7	6.5	1.5	.9	.2						100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	3.1	.4	.2	.2							8.2	5.6	4.0
020-040	2.6	.3										2.9	3.1	3.0
050-070	1.1	.1										1.2	2.1	2.0
(E) 080-100	2.3	1.1		.1								3.4	4.1	3.0
110-130	4.0	3.4	1.9	1.0	.3							10.6	7.3	6.0
140-160	5.1	5.9	1.7	.5	.3	.1						13.7	6.7	6.0
(S) 170-190	5.3	3.4	.4									9.1	4.2	4.0
200-220	4.5	1.2	.3									6.0	3.4	2.0
230-250	4.0	.6	.2									4.8	3.2	2.0
(W) 260-280	3.1	.3										3.4	2.8	2.0
290-310	1.8	1.5	.1	.1								3.5	4.9	4.0
320-340	4.2	5.1	1.4	.9	.2							11.7	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											21.3	////////////////////////////////	
TOTALS	42.2	26.0	6.4	2.8	1.0	.1						100.0	4.2	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.3	2.6	1.2		.1							11.2	4.8	4.0
020-040	2.7	.4										3.1	2.7	2.0
050-070	2.2	.3	.1									2.6	3.5	3.0
(E) 080-100	2.9	.9	.1									3.9	3.7	3.0
110-130	3.5	2.9	1.3	.4	.3							8.5	6.7	5.0
140-160	4.9	2.9	1.9	.3	.1	.1						10.3	6.4	5.0
(S) 170-190	4.4	2.3	.1		.1							6.9	4.3	4.0
200-220	3.1	1.3	.3	.1								4.8	4.2	3.0
230-250	2.8		.2									3.0	2.8	2.0
(W) 260-280	1.8	.2										2.0	3.0	3.0
290-310	2.8	1.7	.1									4.6	4.0	3.0
320-340	6.6	4.8	1.7	.8								13.9	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											25.2	////////////////////////////////	
TOTALS	45.0	20.3	7.0	1.6	.6	.1						100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.8	.4	.1									7.3	2.8	2.0
020-040	2.9	.2										3.1	2.2	2.0
050-070	1.9	.2										2.2	2.5	2.0
(E) 080-100	4.3	.4	.4									5.2	3.5	3.0
110-130	5.6	1.9	1.5	.5	.4							10.0	6.5	4.0
140-160	3.7	2.8	1.6	.1	.3	.1						8.6	6.5	5.0
(S) 170-190	4.1	.4										4.5	3.0	3.0
200-220	1.8	.2	.1									2.2	2.8	2.0
230-250	1.4	.3										1.7	3.7	3.0
(W) 260-280	1.7	.5										2.3	3.3	3.0
290-310	3.0	.8	.5									4.3	4.6	4.0
320-340	4.5	2.6	1.1	.1								8.3	5.1	4.0
VARIABLE														
CALM	////////////////////////////////////											40.4	////////////////////////////////	
TOTALS	41.7	10.7	5.3	.7	.7	.1						100.0	2.7	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	.5										4.1	2.9	3.0
020-040	2.3	.5										2.8	3.1	2.0
050-070	2.4	.2										2.6	2.3	2.0
(E) 080-100	5.3	.8	.1		.1							6.2	3.5	3.0
110-130	8.0	3.1	.9	.3	.4							12.7	5.2	4.0
140-160	6.2	4.3	1.0	.4	.6							12.6	6.1	5.0
(S) 170-190	2.9	.6	.2									3.8	3.7	3.0
200-220	.9	.3	.1									1.3	4.3	3.0
230-250	.6	.2										.9	3.1	3.0
(W) 260-280	.9	.1										1.0	3.4	3.0
290-310	2.3	1.0	.6									3.9	5.1	4.0
320-340	4.5	1.5	.9	.1								7.0	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											41.3	////////	
TOTALS	39.8	13.1	3.8	.8	1.1							100.0	2.7	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	4.4	1.6	.4	.0	.0							6.4	4.3	4.0
020-040	2.5	.3	.0									2.8	2.8	2.0
050-070	2.1	.2	.0									2.4	2.5	2.0
(E) 080-100	4.1	.8	.1	.0	.0							5.1	3.3	3.0
110-130	6.6	3.0	1.5	.5	.3	.0						12.0	5.8	4.0
140-160	5.6	3.6	1.4	.4	.3	.1						11.4	6.1	5.0
(S) 170-190	4.2	1.5	.1		.0							5.9	3.7	3.0
200-220	2.3	.6	.1	.0								3.0	3.4	3.0
230-250	1.5	.3	.1									1.9	3.4	3.0
(W) 260-280	1.5	.3	.0									1.7	3.3	3.0
290-310	2.3	1.0	.3	.0								3.6	4.5	4.0
320-340	4.5	3.2	1.2	.4	.1							9.4	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											34.4	////////////////////////////////	
TOTALS	41.6	16.4	5.2	1.3	.7	.1						100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	.9	.3									5.4	3.7	3.0
020-040	2.5	.2	.0									2.8	2.6	2.0
050-070	1.9	.2										2.0	2.2	2.0
(E) 080-100	3.7	.6	.1									4.4	3.0	3.0
110-130	7.7	2.5	.2	.2								10.7	3.8	3.0
140-160	7.7	4.1	.5	.1								12.4	4.3	4.0
(S) 170-190	5.8	1.6	.0									7.5	3.2	3.0
200-220	2.9	.3										3.2	2.4	2.0
230-250	1.6	.1										1.7	2.4	2.0
(W) 260-280	1.4	.2										1.5	2.8	2.0
290-310	2.7	.7	.2									3.6	3.8	4.0
320-340	4.7	2.7	.8	.1								8.3	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											36.4	////////////////////////////////	
TOTALS	46.8	14.1	2.1	.4								100.0	2.3	3.0

TOTAL NUMBER OF OBSERVATIONS 2431

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	1.7										6.6	3.5	3.5
020-040	2.7	.1										2.8	2.2	2.0
050-070	2.1	.1										2.2	2.1	2.0
(E) 080-100	5.9	1.3	.4									7.6	3.3	2.0
110-130	5.8	2.5	2.6	1.1	.2							12.2	6.8	5.0
140-160	2.5	1.5	.5	.2	.1							4.8	5.8	4.0
(S) 170-190	1.1	.4	.1									1.5	4.0	3.0
200-220	.8	.1	.1									1.1	4.0	3.0
230-250	.5	.2										.7	3.2	2.0
(W) 260-280	1.2	.4										1.5	3.2	2.0
290-310	2.5	.1	.2									2.8	3.7	3.0
320-340	5.2	3.5	1.8									10.5	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											45.5	////////////////////////////////	
TOTALS	35.3	11.9	5.7	1.3	.3							100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASILE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	2.1	.1									5.8	4.2	4.0
020-040	2.8	.2										3.1	2.7	2.0
050-070	2.1	.1										2.2	2.1	2.0
(E) 080-100	4.6	.7	.2									5.6	3.0	2.0
110-130	5.2	2.6	2.5	.7								11.0	6.7	5.0
140-160	3.4	.5	.7	.1								4.7	4.4	2.0
(S) 170-190	1.2	.1										1.3	2.6	2.0
200-220	.5	.4	.1									.9	4.9	4.5
230-250	.6			.1								.7	4.0	2.0
(W) 260-280	.9	.2										1.2	3.4	4.0
290-310	2.8	.7	.1									3.7	3.6	3.0
320-340	8.0	2.0	2.2	.1								12.4	5.1	4.0
VARIABLE														
CALM	////////////////////////////////////											47.4	////////	
TOTALS	35.6	9.6	5.9	1.0								100.0	2.4	3.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	6.0	2.0	.1	.1								8.3	3.9	3.5
020-040	3.9	.1										4.0	1.9	2.0
050-070	2.0	.4										2.4	2.4	2.0
(E) 080-100	3.7	1.1	.2									5.0	3.6	2.0
110-130	6.3	1.8	1.8	1.1	.1							11.0	6.2	4.0
140-160	3.9	1.4	.4	.5	.2							6.4	5.5	4.0
(S) 170-190	1.4	.1										1.5	2.5	2.0
200-220	1.4	.5										1.9	3.1	2.0
230-250	.7	.1	.1									.9	4.0	3.5
(W) 260-280	1.1	.1										1.2	3.3	3.0
290-310	3.1	.8	.4									4.3	3.7	3.0
320-340	5.7	3.5	2.7	.1								12.1	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////										41.1	//////////		
TOTALS	39.2	11.9	5.7	1.8	.3							100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.5	3.7	1.5	.4								12.1	5.5	4.0
020-040	1.9	1.2										3.1	3.9	3.0
050-070	.6	.2										.8	3.6	3.0
(E) 080-100	3.3	.7	.1									4.1	3.3	2.0
110-130	6.4	5.2	3.1	1.8	.1							16.5	7.0	6.0
140-160	6.3	5.1	.8	.9		.2	.1					13.5	6.4	5.0
(S) 170-190	4.7	1.7	.2									6.6	3.9	4.0
200-220	3.1	.7	.4									4.1	4.0	4.0
230-250	.9	.1										1.1	2.6	2.0
(W) 260-280	1.7	.2	.1									2.0	3.3	3.0
290-310	2.0	.8	.6									3.4	4.6	4.0
320-340	4.3	5.7	4.3	1.3	.2							15.7	7.8	6.0
VARIABLE														
CALM	////////////////////////////////////											16.9	////////	
TOTALS	41.7	25.3	11.1	4.4	.3	.2	.1					100.0	4.9	4.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	5.6	1.3	.7	.2	.1						14.1	6.1	5.0
020-040	3.4	1.1	.1									4.6	3.5	3.0
050-070	1.1	.1										1.2	2.3	2.0
(E) 080-100	1.8	.6	.2									2.6	3.8	2.0
110-130	2.4	1.8	3.7	1.5	.5							9.8	9.7	10.0
140-160	5.7	5.4	2.6	.8	.1	.2						14.9	7.0	6.0
(S) 170-190	5.8	1.4	.6									7.8	3.8	3.0
200-220	3.1	.6	.1									3.8	3.4	3.0
230-250	3.4	.5	.6									4.5	4.1	2.5
(W) 260-280	3.0	.4	.2									3.5	3.4	2.5
290-310	3.1	1.8	.7	.1								5.7	5.4	4.0
320-340	5.1	6.3	4.3	2.1	.4							18.1	8.2	7.0
VARIABLE														
CALM	////////////////////											9.5	////////	
TOTALS	44.0	25.6	14.4	5.2	1.2	.3						100.0	5.7	5.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.1	7.4	1.9	.2	.1							18.8	5.5	5.0
020-040	5.6	.4										5.9	2.6	2.0
050-070	1.1											1.1	2.0	2.0
(E) 080-100	2.8	.8	.2									3.9	3.7	3.0
110-130	5.0	3.7	2.6	1.5	.2							13.0	7.6	6.0
140-160	3.4	2.2	1.5	.6								7.8	6.5	5.0
(S) 170-190	2.5	1.3	.1									3.9	4.0	4.0
200-220	2.5	.6	.2									3.3	3.9	3.0
230-250	1.4	.5	.6									2.5	5.2	4.0
(W) 260-280	1.1	.2	.2									1.5	4.9	4.0
290-310	1.7	1.2	.2	.1								3.2	5.3	4.0
320-340	4.4	8.3	5.6	1.8	.7							20.7	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											14.4	////////////////////////////////	
TOTALS	40.6	26.6	13.1	4.2	1.0							100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.2	2.4										11.6	3.2	3.0
020-040	5.4	.2										5.7	2.3	2.0
050-070	1.9	.1										2.0	2.3	2.0
(E) 080-100	3.2		.1	.1								3.4	2.9	2.0
110-130	4.7	1.8	2.0	1.8	.5							10.8	8.1	6.0
140-160	2.2	1.5	.1	.5								4.4	5.5	4.0
(S) 170-190	1.4	.6	.1									2.1	3.8	4.0
200-220	2.4	.4										2.7	3.1	4.0
230-250	.2	.4	.1									.7	5.7	5.5
(W) 260-280	.8	.5										1.3	4.6	4.0
290-310	2.8	1.8	.2									4.8	4.5	4.0
320-340	7.7	5.8	2.1	.5	.2							16.3	6.0	5.0
VARIABLE														
CALM	////////////////////											34.2	////////	
TOTALS	41.9	15.5	4.7	2.9	.7							100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.9	1.1	.2									7.2	3.3	2.0
020-040	4.4	.2										4.6	2.6	2.0
050-070	1.4	.4										1.8	2.8	2.0
(E) 080-100	6.5	1.1		.1								7.7	2.9	2.0
110-130	5.8	2.0	2.4	1.4	.6							12.2	7.4	5.0
140-160	1.9	.8	.4	.4								3.4	5.8	4.0
(S) 170-190	.6	.8										1.4	4.4	5.0
200-220	.6	.5	.1	.1								1.3	5.9	5.0
230-250	.2	.2										.5	4.0	4.5
(W) 260-280	1.1	.2										1.3	2.9	2.0
290-310	3.2	1.1	.6									4.8	4.8	4.0
320-340	5.9	3.4	1.1									10.4	4.9	4.0
VARIABLE														
CALM	////////////////////											43.4	////////	
TOTALS	37.5	11.8	4.8	2.0	.6							100.0	2.7	4.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.4	3.2	.7	.2	.0	.0						10.5	4.7	4.0
020-040	3.8	.4	.0									4.2	2.7	2.0
050-070	1.5	.2										1.7	2.4	2.0
(E) 080-100	4.0	.8	.2	.0								5.0	3.3	2.0
110-130	5.2	2.7	2.6	1.4	.3							12.1	7.4	6.0
140-160	3.7	2.3	.9	.5	.1	.1	.0					7.5	6.2	5.0
(S) 170-190	2.3	.8	.1									3.3	3.8	3.0
200-220	1.8	.5	.1	.0								2.4	3.8	3.0
230-250	1.0	.3	.2	.0								1.4	4.2	3.0
(W) 260-280	1.3	.3	.1									1.7	3.6	3.0
290-310	2.6	1.0	.4	.0								4.1	4.5	4.0
320-340	5.8	4.8	3.0	.7	.2							14.5	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											31.5	////////	
TOTALS	39.4	17.3	8.3	2.8	.6	.1						100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	1.7	.2	.3								7.7	3.9	3.0
020-040	3.4	.3										3.8	2.5	2.0
050-070	.6	.2										.8	3.0	2.0
(E) 080-100	4.1	.8										4.9	2.9	2.0
110-130	5.0	1.1	2.4	.9								9.4	6.6	4.0
140-160	3.6	1.1	.8	.6	.2	.3						6.6	7.2	4.0
(S) 170-190	2.2	.2	.2									2.5	3.9	3.5
200-220	2.0	.2	.2									2.4	2.8	2.0
230-250	1.6	.5										2.0	3.4	2.0
(W) 260-280	2.2											2.2	2.6	2.5
290-310	3.4	.8										4.2	3.1	2.0
320-340	5.6	3.0	3.3	.2								12.1	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											41.5	////////////////////////////////	
TOTALS	39.2	9.9	7.1	2.0	.2	.3						100.0	2.8	3.0

TOTAL NUMBER OF OBSERVATIONS 638

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.1	3.9	.3									13.3	4.0	4.0
020-040	3.4	.4										3.9	2.4	2.0
050-070	1.4											1.4	1.8	2.0
(E) 080-100	4.2	.6										4.8	2.5	2.0
110-130	6.2	2.5	1.1	.2	.2	.3		.1				10.6	6.2	4.0
140-160	2.8	.3	1.0	.2								4.3	5.4	3.0
(S) 170-190	1.5	.2										1.7	3.3	3.0
200-220	1.2	.4		.1								1.7	4.1	4.0
230-250	1.3	.3										1.6	3.3	3.0
(W) 260-280	.8	1.1	.1									1.9	4.9	5.0
290-310	3.4	.9	.1									4.4	3.8	4.0
320-340	9.0	4.9	1.1	.2								15.3	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											34.9	////////////////////////////////	
TOTALS	44.3	15.5	3.7	.7	.2	.3		.1				100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.8	3.7	.1									13.5	3.7	3.5
020-040	2.8	.3										3.1	2.7	2.0
050-070	1.5											1.5	2.2	2.0
(E) 080-100	2.9	.4										3.3	3.0	3.0
110-130	7.5	3.3	.9	.6	.3							12.7	5.3	4.0
140-160	3.5	1.4	.6	.5								6.1	5.3	3.0
(S) 170-190	1.5	.2	.1									1.8	3.1	2.0
200-220	.5	.1	.1									.8	3.9	2.0
230-250	.6	.1										.8	3.9	4.0
(W) 260-280	.8	.2										1.0	3.3	3.0
290-310	3.0	.9	.1									4.0	3.9	4.0
320-340	11.0	4.8	1.4									17.2	4.6	4.0
VARIABLE														
CALM	////////////////////											34.2	////////	
TOTALS	45.4	15.4	3.3	1.1	.3							100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72481

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		7.7	4.9	.4									13.1	4.5	4.0
020-040		2.9	.5										3.4	2.8	2.0
050-070		1.4											1.4	2.0	2.0
(E) 080-100		2.8	.1		.1								3.0	3.1	2.5
110-130		8.3	4.0	2.8	.6	.1							15.8	5.8	4.0
140-160		4.3	2.0	.9		.4							7.6	5.6	4.0
(S) 170-190		1.4	.4										1.8	3.0	2.0
200-220		.8	.1	.1									1.0	2.9	2.0
230-250		.3											.3	2.3	2.0
(W) 260-280		.9	.1										1.0	2.9	3.0
290-310		2.0	.9	.2	.1								3.2	4.7	4.0
320-340		9.6	7.2	1.3	.5								18.6	5.3	4.0
VARIABLE															
CALM		////////////////////////////////////											29.7	////////////////////////////////	
TOTALS		42.4	20.2	5.7	1.3	.5							100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.2	7.2	1.9	.2								15.6	5.8	5.0
020-040	2.4	1.2										3.5	3.2	3.0
050-070	1.3	.1										1.4	2.6	2.0
(E) 080-100	.9	.3										1.2	2.9	2.0
110-130	5.7	3.4	3.1	.8	.3	.1	.1					13.5	7.2	6.0
140-160	4.3	6.2	2.3	.2	.2							13.2	6.6	6.0
(S) 170-190	3.7	2.5	.5									6.7	4.9	4.0
200-220	1.6	1.4	.1									3.1	4.4	4.0
230-250	.9	.4										1.3	4.1	4.0
(W) 260-280	1.2	.1										1.3	2.7	2.0
290-310	1.4	.8	.4									2.6	4.8	3.5
320-340	5.8	12.0	5.1	1.8	.1							24.8	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											11.7	////////	
TOTALS	35.4	35.6	13.4	3.0	.6	.1	.1					100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	7.8	1.7	.4	.1							16.2	6.2	5.0
020-040	3.5	1.3	.1									4.9	3.5	3.0
050-070	1.3	.4										1.7	3.0	2.0
(E) 080-100	2.7	.4	.2		.1							3.4	3.9	2.5
110-130	2.9	3.5	2.7	.9	.2							10.2	8.0	8.0
140-160	4.4	4.8	2.3	.4								11.9	6.6	6.0
(S) 170-190	3.0	2.3	.2									5.5	4.3	4.0
200-220	2.2	.8	.4									3.3	4.4	3.0
230-250	1.0	.8	.5									2.3	5.7	5.0
(W) 260-280	1.5	.4	.3									2.3	4.1	2.0
290-310	2.5	1.4	.3									4.2	4.6	4.0
320-340	7.0	9.8	5.8	1.7	.5							24.8	7.7	8.0
VARIABLE														
CALM	////////////////////////////////////											9.1	////////////////////////////////	
TOTALS	38.1	33.7	14.5	3.4	.9							100.0	5.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.6	12.5	4.8	.6	.2							24.7	7.0	6.0
020-040	7.2	2.3	.1									9.6	3.2	3.0
050-070	2.0	.4										2.5	3.0	3.0
(E) 080-100	2.6	.6	.2									3.4	3.5	2.0
110-130	3.7	2.7	1.6	.9	.4							9.2	7.6	6.0
140-160	3.5	2.4	.4	.4								6.8	5.4	4.0
(S) 170-190	2.4	2.0	.1									4.5	4.7	4.0
200-220	1.8	1.0	.1									2.9	4.6	4.0
230-250	.6	.5	.4	.3								1.9	7.9	6.0
(W) 260-280	.8	.8	.4	.2								2.2	7.3	6.5
290-310	1.6	.9	.4		.1							3.0	6.1	4.0
320-340	4.3	9.5	5.1	1.0	.2							20.0	7.8	7.5
VARIABLE														
CALM	////////////////////////////////////											9.2	////////////////////////////////	
TOTALS	37.1	35.6	13.6	3.4	.9							100.0	5.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	15.9	4.6	.4									21.0	3.6	3.0
020-040	7.4	.4										7.8	2.3	2.0
050-070	2.3		.1									2.4	2.5	2.0
(E) 080-100	2.4	.9	.2									3.4	3.6	2.5
110-130	3.3	1.5	.9	.4	.2							6.3	6.3	4.0
140-160	2.5	1.1	.4	.6								4.6	6.4	4.0
(S) 170-190	1.8	.2										2.0	3.1	2.0
200-220	1.3	.8										2.0	4.6	4.0
230-250	1.2	1.1	.2									2.5	4.9	5.0
(W) 260-280	2.2	1.4	.2									3.8	4.8	4.0
290-310	2.6	1.5	.2									4.3	4.6	4.0
320-340	7.2	7.1	1.6	.4								16.3	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											23.4	////////////////////////////////	
TOTALS	50.1	20.6	4.2	1.4	.2							100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	11.0	3.4										14.4	3.6	4.0
020-040	3.8	.5										4.3	2.8	2.0
050-070	1.6											1.6	2.1	2.0
(E) 080-100	4.3	.2										4.5	2.6	2.0
110-130	3.8	2.0	1.2	.4	.3							7.7	6.6	5.0
140-160	1.9	1.6	.5	.2								4.3	6.0	5.0
(S) 170-190	.5	.5	.1									1.2	5.1	5.0
200-220	1.5	.6										2.2	3.3	2.0
230-250	1.7	.2										1.9	2.7	2.5
(W) 260-280	2.3	1.1										3.3	3.7	3.0
290-310	2.6	2.6	.2									5.4	4.7	5.0
320-340	10.2	6.2	1.4									17.8	5.0	4.0
VARIABLE														
CALM	////////////////////											31.3	////////	
TOTALS	45.2	18.9	3.4	.6	.3							100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.1	6.0	1.2	.2	.0							16.5	5.0	4.0
020-040	4.2	.9	.0									5.1	2.9	2.0
050-070	1.6	.1	.0									1.7	2.5	2.0
(E) 080-100	2.8	.5	.1	.0	.0							3.4	3.1	2.0
110-130	5.2	2.9	1.8	.6	.3	.1	.0	.0				10.8	6.6	5.0
140-160	3.4	2.5	1.0	.3	.1							7.4	6.1	5.0
(S) 170-190	2.0	1.0	.1									3.2	4.2	4.0
200-220	1.4	.6	.1	.0								2.1	4.2	3.0
230-250	1.0	.4	.1	.0								1.6	4.8	4.0
(W) 260-280	1.3	.6	.1	.0								2.1	4.5	4.0
290-310	2.4	1.2	.3	.0	.0							3.9	4.6	4.0
320-340	8.0	7.7	2.8	.7	.1							19.4	6.3	5.0
VARIABLE														
CALM	////////////////////////////////////											23.0	////////	
TOTALS	42.4	24.4	7.6	1.8	.5	.1						100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	3.7	.5									8.9	4.7	4.0
020-040	2.6											2.6	1.4	1.0
050-070	4.2											4.2	1.6	1.0
(E) 080-100	1.6											1.6	2.3	2.0
110-130	3.1	2.1	1.0		.5							6.8	6.1	6.0
140-160	3.1	2.1	2.1	.5	.5							8.4	8.3	8.0
(S) 170-190	2.1	2.1	.5									4.7	5.4	6.0
200-220	.5	1.0	.5									2.1	7.8	9.0
230-250	.5											.5	2.0	2.0
(W) 260-280	2.1	.5										2.6	3.0	4.0
290-310	3.1	1.6	.5									5.2	4.7	3.0
320-340	5.8	6.3	6.8									18.8	7.4	6.5
VARIABLE														
CALM	////////////////////											33.5	////////	
TOTALS	33.4	19.4	11.9	.5	1.0							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 191

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	16.4	5.2	.4									22.1	3.5	3.0
020-040	4.4	.6										5.0	2.8	2.0
050-070	.9											.9	1.9	2.0
(E) 080-100	2.0											2.0	1.9	2.0
110-130	2.7	1.0	.4	.1								4.2	4.1	2.0
140-160	1.4	.3		.2								2.0	4.4	3.0
(S) 170-190	.3											.3	1.7	1.0
200-220	.8	.1										.9	2.8	3.0
230-250	.6	.2										.8	3.9	3.0
(W) 260-280	1.2	.7										1.9	4.1	3.0
290-310	3.8	2.4										6.2	3.8	3.5
320-340	15.3	9.3	1.9									26.6	4.7	4.0
VARIABLE														
CALM	////////////////////////////////////											27.1	////////////////////////////////	
TOTALS	49.8	19.8	2.7	.3								100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.2	7.7	.2									18.1	4.3	4.0
020-040	2.7	.6										3.2	2.7	2.0
050-070	2.4		.1									2.6	2.0	1.0
(E) 080-100	1.9	.1										2.0	2.1	2.0
110-130	2.1	1.3	.1	.1								3.7	4.7	4.0
140-160	1.3	.4	.6									2.3	4.9	3.0
(S) 170-190	.4	.1	.1									.7	3.8	3.0
200-220	.6	.1										.7	3.0	3.0
230-250	.6											.6	2.0	2.0
(W) 260-280	.7	.3										1.0	3.4	3.0
290-310	5.3	2.0	.2									7.6	3.9	4.0
320-340	16.7	6.9	1.6	.1								25.2	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											32.4	////////////////////////////////	
TOTALS	44.9	19.5	2.9	.2								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.0	8.1	1.1	.2								19.4	4.8	4.0
020-040	4.7	.9										5.6	2.9	2.0
050-070	.6	.1										.7	3.0	2.5
(E) 080-100	1.4	.1										1.6	1.8	1.0
110-130	3.4	1.6	.6									5.6	4.2	2.0
140-160	2.3	1.9	.4	.1								4.8	5.1	5.0
(S) 170-190	.9	.3	.1									1.3	4.6	4.0
200-220	.3											.3	2.7	2.0
230-250	.7	.2										.9	3.0	2.5
(W) 260-280	1.3	.2										1.6	3.0	3.0
290-310	4.3	1.0	.2									5.6	3.6	3.0
320-340	11.7	10.6	4.8	.6								27.6	5.9	5.0
VARIABLE														
CALM	////////////////////											25.2	////////	
TOTALS	41.6	25.0	7.2	.9								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	8.8	10.4	2.4	.4								22.1	6.0	5.0
020-040	3.4	.9										4.3	2.8	2.0
050-070	1.3	.1										1.4	2.3	2.0
(E) 080-100	1.1	.2										1.3	2.6	2.0
110-130	2.0	.9	.8									3.7	5.2	4.0
140-160	3.6	2.6	1.6	.4								8.1	6.2	5.0
(S) 170-190	2.6	1.2	.4									4.2	4.5	4.0
200-220	1.9	.1										2.0	2.6	2.0
230-250	1.8	.6	.4									2.8	4.7	3.0
(W) 260-280	3.9	.1										4.0	2.6	3.0
290-310	3.9	2.1	.6	.2								6.8	4.8	4.0
320-340	6.3	16.8	7.8	1.2								32.1	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											7.1	////////////////////////////////	
TOTALS	40.6	36.0	14.0	2.2								100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.7	9.3	3.1	.3	.1							19.6	6.4	6.0
020-040	5.0	2.4										7.4	3.9	4.0
050-070	1.4	.2										1.7	2.3	2.0
(E) 080-100	2.0	.3										2.3	3.0	3.0
110-130	2.2	1.0	.6	.2								4.0	5.7	4.0
140-160	2.3	2.2	.8	.2								5.6	5.8	5.0
(S) 170-190	1.3	1.2	.4	.2								3.2	6.2	5.0
200-220	1.7	.4	.4									2.6	5.1	4.0
230-250	2.2	1.4	.1									3.8	4.4	4.0
(W) 260-280	2.7	1.6	.4									4.7	4.7	3.5
290-310	3.7	4.0	.9									8.6	5.2	5.0
320-340	7.7	15.6	7.0	2.2	.2							32.7	7.6	7.0
VARIABLE														
CALM	////////////////////											4.0	////////	
TOTALS	38.9	39.6	13.7	3.1	.3							100.0	5.8	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.1	17.9	5.6	.4	.2							32.2	6.7	6.0
020-040	4.3	2.8	.1									7.2	4.4	4.0
050-070	1.4											1.4	2.2	2.0
(E) 080-100	1.4	.1										1.6	2.4	2.0
110-130	.9	.9	.8									2.6	6.8	6.0
140-160	2.0	1.1	.4	.2								3.8	5.6	4.0
(S) 170-190	1.2	.7										1.9	4.3	4.0
200-220	.9	.7	.4									2.0	5.6	5.5
230-250	1.0	1.9	.3									3.2	6.2	7.0
(W) 260-280	1.1	1.8	.7									3.6	6.6	7.0
290-310	2.1	2.3	.4	.2								5.1	5.8	5.0
320-340	4.9	15.2	9.3	1.3	.1							30.9	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											4.6	////////////////////////////////	
TOTALS	29.3	45.4	18.0	2.1	.3							100.0	6.4	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	20.6	12.2	2.3	.1								35.2	4.6	4.0
020-040	7.2	.8										8.0	2.6	2.0
050-070	.9											.9	1.8	2.0
(E) 080-100	.7	.1										.8	3.3	3.0
110-130	1.4	.4	.7	.1								2.7	5.9	3.5
140-160	.7	.8	.1	.1								1.7	5.8	5.0
(S) 170-190	.6	.1										.7	3.0	2.0
200-220	.3	.3										.7	4.2	4.0
230-250	1.1	1.3	.2									2.7	5.1	5.0
(W) 260-280	1.6	2.4	.8									4.8	6.3	6.0
290-310	1.6	1.7	.1									3.3	5.3	5.0
320-340	8.9	14.7	3.2	.2								27.0	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											11.7	////////	
TOTALS	45.6	34.8	7.4	.5								100.0	4.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		17.7	7.9	.4									26.0	4.0	4.0
020-040		5.3	.4										5.8	2.7	2.0
050-070		1.3	.1										1.4	1.8	2.0
(E) 080-100		1.8											1.8	2.2	2.0
110-130		1.0	.7	.4	.1								2.2	6.0	5.5
140-160		1.0	.2										1.2	3.4	3.0
(S) 170-190		.9	.3										1.2	3.5	2.0
200-220		.8	.3										1.1	3.2	2.5
230-250		.7	.1										.8	3.7	4.0
(W) 260-280		2.2	1.6										3.8	3.9	4.0
290-310		3.1	1.7	.1									4.9	4.0	4.0
320-340		11.8	14.8	1.6	.2								28.3	5.3	5.0
VARIABLE															
CALM		////////////////////////////////////										21.4	////////////////////////////////		
TOTALS		47.6	28.1	2.5	.3								100.0	3.4	4.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: ALL

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
												WIND
												WIND
(N) 350-010	12.3	9.8	2.0	.2	.0							24.3
020-040	4.6	1.2	.0									5.8
050-070	1.3	.1	.0									1.4
(E) 080-100	1.5	.1										1.7
110-130	2.0	1.0	.5	.1								3.6
140-160	1.8	1.2	.5	.2								3.7
(S) 170-190	1.0	.5	.1	.0								1.7
200-220	.9	.3	.1									1.3
230-250	1.1	.7	.1									1.9
(W) 260-280	1.8	1.1	.2									3.2
290-310	3.5	2.2	.3	.1								6.0
320-340	10.4	13.0	4.6	.7	.0							28.8
VARIABLE												
CALM	////////////////////////////////////											16.7
TOTALS	42.2	31.2	8.4	1.3								100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	11.1										13.3	6.5	7.0
020-040		2.2										2.2	6.0	6.0
050-070	2.2											2.2	1.0	1.0
(E) 080-100	4.4											4.4	1.0	1.0
110-130	2.2	6.7	4.4									13.3	8.3	9.0
140-160	4.4	4.4	2.2	4.4								15.6	8.7	6.0
(S) 170-190	2.2	8.9										11.1	5.0	5.0
200-220														
230-250														
(W) 260-280														
290-310														
320-340	4.4	8.9	2.2	2.2								17.8	8.0	6.5
VARIABLE														
CALM	////////////////////											20.0	////////	
TOTALS	22.0	42.2	8.8	6.6								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 45

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	16.7	10.3	.9									27.8	4.4	4.0
020-040	4.5	2.2	.1									6.8	3.5	3.0
050-070	.3											.3	2.7	3.0
(E) 080-100	.5											.5	2.4	2.0
110-130	.6											.6	2.2	2.0
140-160	.4											.4	2.5	2.5
(S) 170-190	.1											.1	4.0	4.0
200-220	.6	.1										.8	2.6	2.0
230-250	.3	.5										.9	4.8	5.0
(W) 260-280	2.4	2.5										4.8	4.6	5.0
290-310	6.8	3.2										10.0	3.8	4.0
320-340	17.5	7.6	1.1									26.2	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											20.6	////////	
TOTALS	50.7	26.4	2.1									100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	11.4	9.6	.4									21.4	4.4	4.0
020-040	2.4	1.2										3.5	3.5	3.0
050-070	.6											.6	2.5	2.0
(E) 080-100	1.6											1.6	1.9	2.0
110-130	.8	.1										.9	2.5	2.0
140-160	.8											.8	2.3	2.0
(S) 170-190	.4											.4	2.8	3.0
200-220	.6											.6	3.2	3.5
230-250	.3	.2										.5	4.0	4.0
(W) 260-280	3.0	1.2										4.2	3.8	4.0
290-310	9.4	3.5	.1									13.0	3.9	4.0
320-340	20.5	8.9	.8									30.2	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											22.2	////////	
TOTALS	51.8	24.7	1.3									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.5	15.6	2.8									28.9	5.5	5.0
020-040	2.7	1.4										4.1	3.7	4.0
050-070	.1	.1										.2	3.0	3.0
(E) 080-100	.8	.2										1.0	3.3	2.0
110-130	1.8	.2										2.0	2.3	2.0
140-160	1.0	.2										1.2	3.2	2.0
(S) 170-190	.5	.2										.8	3.3	2.0
200-220	.8	.3										1.1	3.9	3.0
230-250	.8	.3										1.1	3.8	3.0
(W) 260-280	1.1	.5	.1									1.7	4.1	3.5
290-310	4.0	2.7	.3									7.0	4.2	4.0
320-340	11.8	21.4	4.0	.1								37.3	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////////////////////////////	
TOTALS	35.9	43.1	7.2	.1								100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.9	11.2	3.9	.3								21.3	6.7	6.0
020-040	1.2	.6	.1									1.9	4.4	4.0
050-070	1.0											1.0	2.2	2.0
(E) 080-100	.5	.2										.8	3.1	3.0
110-130	1.5	.1										1.6	2.5	2.0
140-160	1.5	.9										2.4	3.5	3.0
(S) 170-190	1.9	.4										2.4	3.0	3.0
200-220	1.8	.4										2.3	3.4	3.0
230-250	2.0	.5										2.6	3.7	4.0
(W) 260-280	2.9	1.8	.1									4.8	3.9	4.0
290-310	6.5	8.0	1.2									15.6	5.4	6.0
320-340	8.4	23.9	6.9	.3								39.5	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											4.0	////////////////////////////////	
TOTALS	35.1	48.0	12.2	.6								100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	9.8	4.5	.4								19.7	7.2	7.0
020-040	2.2	.6										2.8	3.7	4.0
050-070	.9	.1										1.0	2.7	2.0
(E) 080-100	.4	.2										.6	4.0	4.0
110-130	.4	.4										.9	4.8	4.5
140-160	.6	.4										1.1	4.1	4.0
(S) 170-190	1.1	.9										1.9	4.1	4.0
200-220	.9	1.3	.3									2.5	5.6	5.0
230-250	1.5	1.7	.5									3.8	5.5	5.0
(W) 260-280	4.0	2.4	.2									6.6	4.3	4.0
290-310	5.9	10.4	1.1	.1								17.5	5.8	6.0
320-340	7.8	20.3	10.4	1.0								39.6	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											2.2	////////////////////////////////	
TOTALS	30.6	48.5	17.0	1.5								100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.2	17.0	6.9	.3								29.4	7.4	7.0
020-040	1.9	2.0	.2									4.2	4.8	5.0
050-070	.9	.2										1.1	2.8	2.0
(E) 080-100	.1	.1										.2	3.5	3.5
110-130														
140-160	.2	.3										.5	6.0	8.0
(S) 170-190	.4	.1										.5	3.6	4.0
200-220	.4	.9	.1									1.4	5.8	6.0
230-250	.9	1.7	.6									3.2	6.5	6.5
(W) 260-280	.8	1.9	.3	.1								3.1	6.4	6.0
290-310	2.5	6.2	.9									9.6	6.0	6.0
320-340	4.6	24.6	15.9	.8								45.9	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	17.9	55.0	24.9	1.2								100.0	7.3	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.3	14.6	4.3									29.2	6.1	6.0
020-040	3.0	.8	.1									3.9	3.6	3.0
050-070		.1										.1	5.0	5.0
(E) 080-100	.2											.2	1.5	1.5
110-130	.2	.3										.5	5.2	6.0
140-160														
(S) 170-190		.2										.2	6.5	6.5
200-220		.2	.2									.4	8.8	9.0
230-250	.4	1.5	1.0	.1								3.0	7.9	8.0
(W) 260-280	.8	3.3	1.3									5.4	7.3	8.0
290-310	2.4	3.7	.4									6.5	5.5	5.0
320-340	13.2	27.8	7.4	.3								48.8	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											1.7	////////	
TOTALS	30.5	52.5	14.7	.4								100.0	6.2	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	18.1	14.5	.9									33.4	4.6	4.0
020-040	6.1	2.3	.1									8.5	3.6	3.0
050-070	1.0	.1										1.1	3.0	2.0
(E) 080-100	.3											.3	2.0	2.0
110-130	.1											.1	4.0	4.0
140-160	.2	.1										.3	4.3	4.0
(S) 170-190	.2	.2										.4	4.5	4.0
200-220	.8	.1										.9	2.9	3.0
230-250	.4	1.0										1.4	5.3	5.0
(W) 260-280	1.7	3.7	.3									5.7	5.8	6.0
290-310	2.2	2.8	.3	.1								5.4	5.5	5.0
320-340	13.2	14.2	2.2									29.6	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											12.9	////////	
TOTALS	44.3	39.0	3.8	.1								100.0	4.2	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: ALL

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		10.4	12.8	3.1	.1							26.4	5.7	5.0
020-040		3.0	1.4	.1								4.5	3.8	4.0
050-070		.6	.1									.7	2.7	2.0
(E) 080-100		.6	.1									.7	2.7	2.0
110-130		.7	.1									.8	3.0	2.0
140-160		.6	.2									.8	3.6	3.5
(S) 170-190		.6	.3									.8	3.6	3.0
200-220		.7	.4	.1								1.2	4.4	4.0
230-250		.8	.9	.3	.0							2.1	5.6	5.0
(W) 260-280		2.1	2.2	.3	.0							4.5	5.1	5.0
290-310		4.9	5.1	.5	.0							10.6	5.0	5.0
320-340		12.2	18.6	6.1	.3							37.1	6.4	6.0
VARIABLE														
CALM		////////////////////////////////////										9.8	////////////////////////////////	
TOTALS		37.2	42.2	10.5	.4							100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010														
020-040	16.7											16.7	2.0	2.0
050-070	16.7											16.7	3.0	3.0
(E) 080-100														
110-130		33.3										33.3	6.0	6.0
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310	16.7											16.7	1.0	1.0
320-340			16.7									16.7	12.0	12.0
VARIABLE														
CALM	////////////////////											.0	////////////////	
TOTALS	50.1	33.3	16.7									100.0	5.0	4.0

TOTAL NUMBER OF OBSERVATIONS 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	14.4	13.0	.6									28.0	4.5	4.0
020-040	2.0	.4										2.4	2.4	2.0
050-070	.1											.1	2.0	2.0
(E) 080-100														
110-130	.1											.1	1.0	1.0
140-160	.1											.1	2.0	2.0
(S) 170-190	.3											.3	2.3	2.0
200-220	.1											.1	2.0	2.0
230-250	.4	.2										.7	4.2	3.0
(W) 260-280	2.4	.9	.1									3.4	4.2	4.0
290-310	6.3	5.0	.3									11.7	4.6	4.0
320-340	20.9	18.3	2.3									41.6	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											11.4	////////////////////////////////	
TOTALS	47.1	37.8	3.3									100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 03-05

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		12.0	8.6	.2									20.8	4.3	4.0
020-040		.7	.3										1.0	3.2	3.0
050-070		.3											.3	1.3	1.0
(E) 080-100		.9											.9	1.3	1.0
110-130		.7											.7	1.8	2.0
140-160		.7											.7	1.5	1.5
(S) 170-190		.1											.1	2.0	2.0
200-220			.1										.1	5.0	5.0
230-250		.3	.1										.4	3.0	2.5
(W) 260-280		1.7	.9										2.6	4.1	4.0
290-310		11.9	6.9										18.8	4.1	4.0
320-340		24.1	17.6	.9	.2								42.8	4.6	4.0
VARIABLE															
CALM		////////////////////////////////////											10.9	////////////////////////////////	
TOTALS		53.4	34.5	1.1	.2								100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.3	16.8	1.9									28.0	5.7	6.0
020-040	2.0	.2										2.2	2.5	2.0
050-070	.2											.2	2.0	2.0
(E) 080-100	.3											.3	1.3	1.0
110-130	.8											.8	2.0	2.0
140-160	.3											.3	2.3	2.0
(S) 170-190	.2	.4										.7	4.3	5.0
200-220	.1	.2										.3	5.7	6.0
230-250	.4	.3										.8	4.3	4.0
(W) 260-280	1.2	.3										1.6	2.9	2.0
290-310	5.1	3.6	.1									8.8	4.5	4.0
320-340	13.1	29.2	5.7	.4								48.4	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											7.6	////////	
TOTALS	33.0	51.0	7.7	.4								100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	8.4	1.2									13.9	5.9	6.0
020-040	1.2	.7										1.9	4.2	3.0
050-070	1.0											1.0	1.7	1.0
(E) 080-100	.3											.3	1.3	1.0
110-130	.2											.2	2.5	2.5
140-160	.4	.2										.7	3.5	2.0
(S) 170-190	.3	.1										.4	3.0	2.0
200-220	.8	1.0										1.8	4.4	5.0
230-250	1.3	.8										2.1	3.7	4.0
(W) 260-280	2.7	1.7	.2									4.6	4.7	4.0
290-310	6.2	15.0	1.2									22.4	6.0	6.0
320-340	6.4	32.2	8.1	1.0								47.8	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											2.9	////////////////////////////////	
TOTALS	25.0	60.1	10.7	1.0								100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	7.9	1.7									13.6	6.1	6.0
020-040	.7	.3										1.0	3.9	4.0
050-070	.1											.1	2.0	2.0
(E) 080-100	.4	.1										.6	2.4	1.0
110-130	.2											.2	4.0	4.0
140-160	.2	.2										.4	4.8	4.5
(S) 170-190	.9	.2										1.1	2.8	2.0
200-220	1.1	.4	.1									1.7	3.9	3.0
230-250	1.6	.4										2.0	3.7	4.0
(W) 260-280	3.1	3.2	.4									6.8	5.1	5.0
290-310	6.4	19.6	2.8	.1								28.9	6.3	6.0
320-340	5.4	28.3	7.8	.7								42.2	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	24.1	60.6	12.8	.8								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	13.0	4.6	.1								20.2	7.6	8.0
020-040	.4	.4	.1									1.0	5.1	5.0
050-070	.1											.1	1.0	1.0
(E) 080-100	.4											.4	2.8	3.0
110-130	.2											.2	3.0	3.0
140-160	.2											.2	3.0	3.0
(S) 170-190	.6											.6	3.0	3.0
200-220	.1	.3										.4	5.0	5.5
230-250	.6	.9	.8									2.2	7.1	7.0
(W) 260-280	1.0	2.2	1.0									4.2	7.2	8.0
290-310	1.9	11.1	1.0	.1								14.1	6.6	6.0
320-340	5.0	33.9	14.7	1.4								55.0	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											1.2	////////	
TOTALS	13.1	61.8	22.2	1.6								100.0	7.5	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	12.1	2.8									18.8	6.6	6.0
020-040	.4	.1										.6	3.8	4.0
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220		.2										.2	5.5	5.5
230-250	.2	1.2	.2									1.7	6.9	7.0
(W) 260-280	.6	2.2	.7									3.4	6.9	6.0
290-310	2.7	4.9	.7									8.2	5.9	5.5
320-340	9.6	43.6	12.7	.2								66.0	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////											1.1	////////	
TOTALS	17.4	64.3	17.1	.2								100.0	6.9	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	14.8	17.6	2.0									34.3	5.2	5.0
020-040	5.3	.6										5.9	2.7	2.0
050-070	.1											.1	4.0	4.0
(E) 080-100														
110-130														
140-160														
(S) 170-190	.1											.1	3.0	3.0
200-220	.3											.3	2.3	2.0
230-250	.2	.4										.7	6.0	6.0
(W) 260-280	2.8	1.7										4.4	4.5	4.0
290-310	3.8	2.7										6.4	4.4	4.0
320-340	15.3	22.7	2.7									40.7	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											7.0	////////	
TOTALS	42.7	45.7	4.7									100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.2	12.2	1.9	.0								22.2	5.6	6.0
020-040	1.6	.4	.0									2.0	3.1	2.0
050-070	.3											.3	1.8	1.0
(E) 080-100	.3	.0										.3	1.8	1.0
110-130	.3											.3	2.3	2.0
140-160	.3	.1										.3	2.9	2.0
(S) 170-190	.3	.1										.4	3.1	2.5
200-220	.3	.3	.0									.6	4.2	4.0
230-250	.6	.6	.1									1.3	5.1	5.0
(W) 260-280	1.9	1.6	.3									3.9	5.2	5.0
290-310	5.5	8.6	.8	.0								14.9	5.5	5.0
320-340	12.5	28.2	6.8	.5								48.1	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											5.4	////////	
TOTALS	32.1	52.1	9.9	.5								100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS													
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN
(DEGREES)												%	WIND
													WIND
(N) 350-010	16.7											16.7	4.0
020-040													
050-070													
(E) 080-100													
110-130													
140-160													
(S) 170-190													
200-220													
230-250													
(W) 260-280													
290-310													
320-340			16.7									16.7	13.0
VARIABLE													
CALM	////////////////////											66.7	////////
TOTALS	16.7		16.7									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	12.2	10.4	.9									23.4	4.7	4.0
020-040	2.3	.4										2.7	3.0	3.0
050-070	.4											.4	1.5	1.5
(E) 080-100	.1											.1	1.0	1.0
110-130	.5											.5	1.8	2.0
140-160	.2											.2	1.5	1.5
(S) 170-190	.1											.1	3.0	3.0
200-220	.3											.3	2.3	2.0
230-250	.1	.1										.2	3.5	3.5
(W) 260-280	4.1	1.8										5.9	3.9	4.0
290-310	10.3	6.9										17.2	4.4	4.0
320-340	23.1	15.5	.5									39.1	4.6	4.0
VARIABLE														
CALM	////////////////////////////////////											9.7	////////	
TOTALS	53.7	35.1	1.4									100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.4	3.9										14.3	3.6	4.0
020-040	1.5											1.5	2.3	2.0
050-070	.6											.6	1.7	2.0
(E) 080-100	.3											.3	2.0	2.0
110-130	.6											.6	1.7	2.0
140-160	.4											.4	2.3	2.0
(S) 170-190	.1											.1	1.0	1.0
200-220	.1											.1	2.0	2.0
230-250	.4											.4	2.8	2.5
(W) 260-280	3.2	.5										3.8	3.5	4.0
290-310	15.7	7.1										22.8	4.0	4.0
320-340	24.9	15.5	.5			.1						41.1	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											13.9	////////	
TOTALS	58.2	27.0	.5			.1						100.0	3.5	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	10.2	13.5	1.2									24.9	5.2	5.0
020-040	1.9	.3										2.3	3.0	3.0
050-070	.1											.1	2.0	2.0
(E) 080-100	.4											.4	1.8	1.5
110-130	.5											.5	2.0	2.0
140-160	.2	.2										.4	3.5	3.5
(S) 170-190	.2											.2	3.0	3.0
200-220	.1											.1	2.0	2.0
230-250	.3	.1										.4	3.3	2.5
(W) 260-280	1.2	.8										1.9	3.9	4.0
290-310	6.6	5.1	.1									11.7	4.4	4.0
320-340	15.5	26.2	2.9	.1								44.7	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											12.2	////////	
TOTALS	37.2	46.2	4.2	.1								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	11.0	1.3									18.1	5.7	5.0
020-040	1.0	.2										1.2	3.5	4.0
050-070	.1											.1	1.0	1.0
(E) 080-100	.1											.1	2.0	2.0
110-130	.3											.3	2.0	2.0
140-160	.2	.2										.4	3.8	4.0
(S) 170-190	.5											.5	2.8	4.0
200-220	.6	.2	.2									1.1	5.0	4.0
230-250	1.9	.4										2.4	3.5	4.0
(W) 260-280	3.7	1.3	.1									5.1	3.9	4.0
290-310	8.2	16.8	.8									25.7	5.4	6.0
320-340	8.4	30.0	5.1									43.4	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											1.6	////////////////////////////////	
TOTALS	30.8	60.1	7.5									100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	5.9	1.3	.1								9.5	6.5	6.0
020-040	.1	.1										.2	3.5	3.5
050-070	.1											.1	2.0	2.0
(E) 080-100														
110-130	.1											.1	3.0	3.0
140-160	.4											.4	3.0	3.5
(S) 170-190	.3	.2										.5	4.4	4.0
200-220	.3	.4										.8	5.1	5.0
230-250	1.9	1.1										3.0	3.9	4.0
(W) 260-280	4.3	2.9	.1									7.3	4.5	4.0
290-310	7.0	22.2	2.0									31.2	6.1	6.0
320-340	7.4	31.9	6.9	.1								46.3	6.8	7.0
VARIABLE														
CALM	////////////////////////////////////											.5	////////////////////////////////	
TOTALS	24.1	64.7	10.3	.2								100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	12.9	5.2									20.2	7.6	8.0
020-040	.3	.3										.6	5.2	4.5
050-070														
(E) 080-100	.1											.1	1.0	1.0
110-130														
140-160														
(S) 170-190														
200-220	.4	.5										1.0	5.2	5.0
230-250	.4	1.0	.1	.1								1.6	6.9	7.0
(W) 260-280	1.4	1.8	.1	.1								3.4	5.8	5.0
290-310	3.2	11.9	1.2									16.3	6.3	6.0
320-340	4.7	37.6	13.8	.2								56.3	7.8	8.0
VARIABLE														
CALM	////////////////////////////////////											.3	////////////////////////////////	
TOTALS	12.7	66.0	20.4	.4								100.0	7.4	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.8	12.3	3.2									21.3	6.6	6.5
020-040	.2											.2	4.0	4.0
050-070	.1											.1	2.0	2.0
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250	.2	1.1	.3	.1								1.7	8.1	8.0
(W) 260-280	.8	1.3	.2									2.3	6.4	7.0
290-310	1.7	4.7	.1									6.6	5.8	6.0
320-340	10.3	46.6	10.8									67.6	6.9	7.0
VARIABLE														
CALM	////////////////////////////////////											.2	////////////////////////////////	
TOTALS	19.1	66.0	14.6	.1								100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	17.8	17.1	1.2									36.1	4.9	5.0
020-040	4.6	.4	.1									5.2	2.8	2.0
050-070														
(E) 080-100														
110-130	.1											.1	2.0	2.0
140-160														
(S) 170-190														
200-220	.1	.1	.1									.3	5.7	5.0
230-250	.3	.8										1.1	5.4	5.0
(W) 260-280	2.2	1.8										4.0	4.3	4.0
290-310	3.9	3.2	.1									7.2	4.7	4.0
320-340	16.6	22.0	1.0									39.6	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											6.5	////////////////////////////////	
TOTALS	45.6	45.4	2.5									100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.3	10.9	1.8	.0								21.0	5.5	5.0
020-040	1.5	.2	.0									1.7	3.0	3.0
050-070	.2											.2	1.6	2.0
(E) 080-100	.1											.1	1.7	2.0
110-130	.3											.3	1.9	2.0
140-160	.2	.1										.2	2.9	2.5
(S) 170-190	.2	.0										.2	3.3	3.0
200-220	.3	.2	.0									.5	4.7	4.0
230-250	.7	.6	.1	.0								1.4	5.0	4.0
(W) 260-280	2.6	1.5	.1	.0								4.2	4.4	4.0
290-310	7.1	9.7	.5									17.3	5.2	5.0
320-340	13.9	28.2	5.2	.1		.0						47.3	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											5.6	////////	
TOTALS	35.4	51.4	7.7	.1								100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010															
020-040															
050-070															
(E) 080-100															
110-130															
140-160															
(S) 170-190															
200-220															
230-250															
(W) 260-280															
290-310															
320-340															
VARIABLE															
CALM		////////////////////////////////////											.0	////////////////////////////////	
TOTALS														.0	.0

TOTAL NUMBER OF OBSERVATIONS 0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	13.0	7.4	.1									20.5	4.0	4.0
020-040	1.0	.4										1.4	3.8	4.0
050-070	.1											.1	1.0	1.0
(E) 080-100	.2											.2	3.0	3.0
110-130	.3											.3	3.0	3.0
140-160														
(S) 170-190														
200-220														
230-250	.6	.2										.9	4.1	4.0
(W) 260-280	1.9	1.2										3.1	4.1	4.0
290-310	9.1	7.2	.3									16.7	4.5	4.0
320-340	24.7	21.8	1.3									47.8	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											8.9	////////////////////////////////	
TOTALS	50.9	38.2	1.7									100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.9	4.4										11.3	3.9	4.0
020-040	1.3	.2										1.5	2.5	2.0
050-070	.5											.5	2.2	2.0
(E) 080-100	.8											.8	1.9	1.0
110-130	.5											.5	1.8	2.0
140-160	.2											.2	1.0	1.0
(S) 170-190														
200-220	.1											.1	2.0	2.0
230-250	.3	.1										.4	3.5	2.5
(W) 260-280	1.3	.4										1.7	3.8	3.5
290-310	12.3	7.1										19.4	4.2	4.0
320-340	28.7	19.9	.1									48.7	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											14.8	////////////////////////////////	
TOTALS	52.9	32.1	.1									100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	12.3	12.0	.6									24.9	4.8	5.0
020-040	1.9	.2										2.2	2.3	2.0
050-070	.3	.1										.4	4.3	3.5
(E) 080-100	.5											.5	1.2	1.0
110-130	.9											.9	2.5	2.0
140-160		.1										.1	5.0	5.0
(S) 170-190	.2											.2	2.5	2.5
200-220	.1											.1	2.0	2.0
230-250	.3											.3	1.7	2.0
(W) 260-280	.5	.4										1.0	3.9	4.0
290-310	6.2	2.4										8.6	4.0	4.0
320-340	17.7	28.7	1.5									48.0	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											12.8	////////	
TOTALS	40.9	43.9	2.1									100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		4.8	10.8	1.3									16.9	5.7	6.0
020-040		1.1	.4										1.5	3.6	3.0
050-070		.2											.2	1.5	1.5
(E) 080-100		.2	.1										.3	3.0	2.0
110-130		.6	.1										.8	2.6	2.0
140-160		.6	.3										1.0	4.1	4.0
(S) 170-190		.8	.1										.9	3.6	4.0
200-220		1.1											1.1	2.2	2.0
230-250		1.3	.1										1.4	2.7	2.0
(W) 260-280		3.4	1.2	.1									4.7	3.8	4.0
290-310		7.6	15.9	1.2									24.7	5.6	6.0
320-340		9.9	32.0	2.8									44.7	6.1	6.0
VARIABLE															
CALM		////////////////////////////////////											1.8	////////	
TOTALS		31.6	61.0	5.4									100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	6.1	.2	.1								8.3	6.3	6.0
020-040	.9	.2										1.1	3.6	4.0
050-070	.1											.1	2.0	2.0
(E) 080-100	.2											.2	2.5	2.5
110-130	.3											.3	2.3	3.0
140-160	.3											.3	4.0	4.0
(S) 170-190	.5	.1										.6	3.0	3.0
200-220	.6	.1										.8	3.3	3.0
230-250	2.2	.8										2.9	3.9	4.0
(W) 260-280	4.9	2.5	.2									7.6	4.2	4.0
290-310	9.8	21.9	1.9									33.7	5.9	6.0
320-340	7.4	29.1	5.2									41.7	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////	
TOTALS	29.0	60.8	7.5	.1								100.0	5.8	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	10.0	2.4									14.2	7.1	7.0
020-040	.5	.3										.9	3.8	2.5
050-070	.2											.2	1.5	1.5
(E) 080-100		.1										.1	5.0	5.0
110-130	.2											.2	2.0	2.0
140-160	.1	.1										.2	4.5	4.5
(S) 170-190	.2	.2										.4	4.3	4.0
200-220	.1	.1										.2	4.0	4.0
230-250	.5	.3										.9	4.1	4.0
(W) 260-280	2.8	1.5	.1									4.4	4.4	4.0
290-310	4.4	14.0	2.5									20.9	6.5	6.0
320-340	7.0	40.9	8.6	.1								56.6	7.3	8.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	17.8	67.5	13.6	.1								100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.5	10.1	.6									19.2	5.2	5.0
020-040	.5	.2										.8	3.6	3.0
050-070	.2											.2	2.5	2.5
(E) 080-100	.1											.1	2.0	2.0
110-130														
140-160														
(S) 170-190				.1								.1	10.0	10.0
200-220	.3	.1										.4	2.8	2.0
230-250	.2	.3	.1									.6	6.2	5.5
(W) 260-280	1.1	1.3	.2									2.6	5.6	5.0
290-310	2.6	4.7	.3									7.6	5.5	5.0
320-340	18.4	44.9	3.3									66.7	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											1.6	////////	
TOTALS	31.9	61.6	4.6									100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	15.2	16.5	.8									32.4	4.9	5.0
020-040	3.3	.3										3.7	2.6	2.0
050-070	.2											.2	1.5	1.5
(E) 080-100	.2											.2	2.0	2.0
110-130														
140-160														
(S) 170-190														
200-220														
230-250	.5											.5	2.6	3.0
(W) 260-280	2.4	1.2										3.5	4.5	4.0
290-310	3.8	3.2	.1									7.1	4.6	4.0
320-340	20.1	21.2	1.9									43.2	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											9.1	////////////////////////////////	
TOTALS	45.7	42.4	2.8									100.0	4.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: + 8 MONTH: AUG HOURS: ALL

WIND SPEED IN KNOTS												
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
												WIND
												WIND
(N) 350-010	8.0	9.7	.8	.0								18.5
020-040	1.3	.3										1.6
050-070	.2	.0										.3
(E) 080-100	.3	.0										.3
110-130	.4	.0										.4
140-160	.2	.1										.2
(S) 170-190	.2	.1	.0									.3
200-220	.3	.0										.3
230-250	.8	.2	.0									1.0
(W) 260-280	2.3	1.2	.1									3.6
290-310	7.0	9.6	.8									17.3
320-340	16.7	29.8	3.1	.0								49.7
VARIABLE												
CALM	////////////////////////////////////											6.5
TOTALS	37.7	51.0	4.8									100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010					20.0							20.0	15.0	15.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340			40.0	40.0								80.0	9.8	9.5
VARIABLE														
CALM	////////////////////											.0	////////	
TOTALS			40.0	40.0	20.0							100.0	10.8	10.0

TOTAL NUMBER OF OBSERVATIONS 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	12.2	5.6	.4									18.2	3.8	4.0
020-040	3.2	.3										3.6	2.5	2.0
050-070	1.0		.1									1.1	2.7	1.5
(E) 080-100	.9	.1	.1									1.1	3.4	2.0
110-130	2.2											2.2	2.0	2.0
140-160	1.2											1.2	2.5	2.0
(S) 170-190	.6											.6	2.6	3.0
200-220	.3											.3	2.7	2.0
230-250	1.0	.1										1.1	3.0	3.0
(W) 260-280	2.4	.4										2.9	3.0	3.0
290-310	5.9	3.8	.1									9.8	4.2	4.0
320-340	21.0	13.1	.8									34.9	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											23.0	////////	
TOTALS	51.9	23.4	1.5									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.7	3.1										11.8	3.5	3.0
020-040	2.2	.1										2.3	2.5	2.0
050-070	1.2											1.2	1.6	1.0
(E) 080-100	1.3											1.3	1.7	1.5
110-130	1.3	.1										1.4	2.6	2.0
140-160	1.6											1.6	1.9	2.0
(S) 170-190	1.2	.1										1.3	2.9	3.0
200-220	1.1											1.1	2.7	3.0
230-250	.7	.2										.9	3.3	3.5
(W) 260-280	2.4	.7										3.1	3.3	3.0
290-310	9.1	4.1										13.2	3.9	4.0
320-340	21.2	10.1	.2									31.6	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											29.1	////////	
TOTALS	52.0	18.5	.2									100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.7	8.7	.4									17.8	4.7	5.0
020-040	1.7	.6										2.2	2.7	2.0
050-070	.9											.9	1.5	1.0
(E) 080-100	1.2											1.2	1.8	2.0
110-130	3.1	.3	.1									3.6	2.9	2.0
140-160	1.7	.1	.2									2.0	3.6	2.0
(S) 170-190	1.1	.3										1.4	3.0	3.0
200-220	.9	.1										1.0	3.1	3.0
230-250	.7	.2										.9	3.8	3.0
(W) 260-280	1.3	.3										1.7	3.6	4.0
290-310	5.9	2.7	.1									8.7	4.1	4.0
320-340	14.3	15.2	1.4									31.0	5.0	5.0
VARIABLE														
CALM	////////////////////											27.7	////////	
TOTALS	41.5	28.5	2.2									100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	9.1	1.0									15.2	5.6	6.0
020-040	1.1	.8										1.9	3.8	4.0
050-070	.4											.4	1.3	1.0
(E) 080-100	.7											.7	2.2	2.0
110-130	1.2	.7	.1	.2								2.2	5.4	3.5
140-160	1.3	.7	.1									2.1	4.3	4.0
(S) 170-190	2.6	.7										3.2	3.3	3.0
200-220	2.1	.3										2.4	2.6	2.0
230-250	3.9	.6										4.4	2.5	2.0
(W) 260-280	5.3	.9	.1									6.3	3.3	3.0
290-310	7.8	9.1	1.2	.1								18.2	5.4	5.0
320-340	7.7	21.2	5.0	.3								34.2	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											8.6	////////////////////////////////	
TOTALS	39.2	44.1	7.5	.6								100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	5.1	.9									9.2	5.7	5.0
020-040	1.1	.2										1.3	3.3	3.0
050-070	.6	.3										.9	3.6	4.0
(E) 080-100	.3											.3	2.7	2.0
110-130	.6	.1	.3	.1								1.1	6.7	4.5
140-160	.6	.3	.1	.1								1.1	6.3	5.0
(S) 170-190	1.9	1.0	.1									3.0	4.5	4.0
200-220	2.0	.8										2.8	3.5	3.0
230-250	4.7	1.2	.1									6.0	3.6	3.0
(W) 260-280	7.2	2.7	.2									10.1	4.0	4.0
290-310	10.8	12.0	1.6	.1								24.4	5.3	5.0
320-340	8.6	21.1	6.0	.6								36.2	6.7	6.0
VARIABLE														
CALM	////////////////////											3.4	////////	
TOTALS	41.6	44.8	9.3	.9								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	12.8	1.8									20.4	5.8	6.0
020-040	.9	.8										1.7	4.5	3.0
050-070	.7											.7	2.3	2.0
(E) 080-100														
110-130	.4	.1										.6	4.2	4.0
140-160	1.0	.6	.2									1.8	5.0	4.0
(S) 170-190	.1	.4	.1									.7	6.5	6.5
200-220	.9	.3										1.2	3.4	3.0
230-250	1.2	1.3	.1									2.7	5.2	5.0
(W) 260-280	2.2	1.8										4.0	4.4	4.0
290-310	4.6	9.0	1.1	.2	.1							15.0	6.1	6.0
320-340	9.2	29.0	9.6	.6								48.3	7.0	7.0
VARIABLE														
CALM	////////////////////////////////////											3.0	////////////////////////////////	
TOTALS	27.0	56.1	12.9	.8	.1							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 898														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	14.3	7.5	.8									22.5	4.4	4.0
020-040	1.0	.4										1.4	3.2	2.0
050-070	.4	.1	.1									.7	4.7	4.0
(E) 080-100														
110-130	.6	.3	.1									1.0	5.1	4.0
140-160	.3											.3	3.0	4.0
(S) 170-190	.3	.1										.4	2.5	2.0
200-220	.8	.1										.9	3.1	3.0
230-250	.7	2.0										2.7	5.3	5.0
(W) 260-280	1.7	2.3	.4									4.5	5.6	6.0
290-310	5.2	3.6	.1									8.9	4.4	4.0
320-340	20.6	23.4	3.1									47.2	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////	
TOTALS	45.9	39.8	4.6									100.0	4.4	4.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	13.7	10.8	.7									25.2	4.5	4.0
020-040	3.3	.2	.1									3.7	2.6	2.0
050-070	1.0	.1										1.1	2.6	2.0
(E) 080-100	.3	.2										.6	3.6	3.0
110-130	.6	.1										.7	2.7	2.5
140-160	.9											.9	2.4	2.0
(S) 170-190	.4	.1										.6	3.2	3.0
200-220	.2	.2										.4	4.0	4.0
230-250	.6	.9										1.4	4.8	5.0
(W) 260-280	2.6	1.2	.1	.1								4.0	4.6	4.0
290-310	5.2	4.1	.4									9.8	4.8	4.0
320-340	17.8	12.4	1.7									31.9	4.7	4.0
VARIABLE														
CALM	////////////////////											19.7	////////	
TOTALS	46.6	30.3	3.0	.1								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	9.0	7.8	.8									17.5	4.7	4.0
020-040	1.8	.4	.0									2.3	3.0	2.0
050-070	.8	.1	.0									.9	2.5	2.0
(E) 080-100	.6	.0	.0									.7	2.4	2.0
110-130	1.3	.2	.1	.0								1.6	3.7	2.0
140-160	1.1	.2	.1	.0								1.4	3.7	3.0
(S) 170-190	1.0	.3	.0									1.4	3.7	3.0
200-220	1.0	.2										1.3	3.1	3.0
230-250	1.7	.8	.0									2.5	3.9	4.0
(W) 260-280	3.2	1.3	.1	.0								4.6	4.0	4.0
290-310	6.8	6.0	.6	.1	.0							13.5	5.0	4.0
320-340	15.1	18.2	3.5	.2								36.9	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											15.5	////////////////////////////////	
TOTALS	43.4	35.5	5.2	.3								100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 7192

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.3										6.7	4.0	4.0
020-040	6.7											6.7	1.5	1.5
050-070	10.0											10.0	1.0	1.0
(E) 080-100	3.3											3.3	1.0	1.0
110-130	3.3											3.3	1.0	1.0
140-160	10.0		3.3									13.3	5.0	2.5
(S) 170-190	10.0											10.0	2.7	3.0
200-220														
230-250	3.3	3.3										6.7	4.5	4.5
(W) 260-280	3.3	3.3										6.7	3.0	3.0
290-310		3.3										3.3	8.0	8.0
320-340	3.3	6.7										10.0	4.7	5.0
VARIABLE														
CALM	////////////////////////////////////											20.0	////////	
TOTALS	56.5	19.9	3.3									100.0	2.7	2.0

TOTAL NUMBER OF OBSERVATIONS 30

C - 4 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		7.8	2.4	.1									10.3	3.5	3.0
020-040		1.1											1.1	1.6	1.5
050-070		2.8	.1										2.9	1.9	2.0
(E) 080-100		2.6											2.6	2.0	2.0
110-130		3.3	.2										3.5	2.5	2.0
140-160		1.6	1.0										2.6	3.8	2.5
(S) 170-190		.8	.1										.9	2.8	3.0
200-220		.8											.8	2.6	2.0
230-250		.4	.2										.6	4.0	4.0
(W) 260-280		1.2	.2										1.4	2.8	3.0
290-310		4.7	1.0										5.7	3.1	3.0
320-340		12.3	6.7	.5									19.5	4.3	4.0
VARIABLE															
CALM		////////////////////////////////////											48.2	////////////////////////////////	
TOTALS		39.4	11.9	.6									100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	1.8	.2									6.7	4.0	4.0
020-040	2.3	.1										2.4	2.0	2.0
050-070	2.2	.1										2.3	2.0	2.0
(E) 080-100	1.8	.1										1.9	2.1	2.0
110-130	1.6	.4										2.0	2.8	2.0
140-160	1.3	.3	.4									2.0	4.7	2.0
(S) 170-190	.3	.1										.4	3.5	3.0
200-220	.3	.1										.4	4.0	3.5
230-250	.4	.5										1.0	4.3	5.0
(W) 260-280	1.5	.5										2.0	3.5	4.0
290-310	5.5	1.1										6.6	3.2	3.0
320-340	13.9	4.0	1.5									19.4	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											52.9	////////	
TOTALS	35.7	9.1	2.1									100.0	1.7	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.1	4.0	.3									11.4	4.1	4.0
020-040	3.1	.4										3.5	2.7	2.0
050-070	2.5											2.5	2.1	2.0
(E) 080-100	3.1	.1										3.2	2.2	2.0
110-130	4.0	.4										4.4	2.5	2.0
140-160	1.8	.3	.6	.1	.1							3.0	5.7	3.5
(S) 170-190	.8	.1										.9	2.4	2.0
200-220	.1											.1	2.0	2.0
230-250	.5	.1										.6	3.7	4.0
(W) 260-280	1.5	.1										1.6	2.7	2.0
290-310	3.7	1.1	.4	.1								5.3	4.3	4.0
320-340	8.9	6.3	1.1									16.3	4.9	4.0
VARIABLE														
CALM	////////////////////////////////////											47.1	////////////////////////////////	
TOTALS	37.1	12.9	2.4	.2	.1							100.0	2.1	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	7.0	1.1									13.9	5.5	5.0
020-040	1.7	.6										2.4	3.3	2.0
050-070	1.1	.1										1.2	2.5	2.0
(E) 080-100	1.7	.1										1.8	2.4	2.0
110-130	4.0	.8	.1	.1	.1							5.1	3.9	3.0
140-160	3.9	1.7	.1	.3								6.0	4.8	4.0
(S) 170-190	4.3	1.6	.1	.1								6.1	4.1	3.0
200-220	2.9	.2										3.1	2.7	3.0
230-250	4.2	.4										4.6	2.5	2.0
(W) 260-280	4.6	1.0										5.6	3.1	2.0
290-310	5.3	3.2	.3									8.8	4.3	4.0
320-340	9.0	12.0	3.5	.5	.1							25.3	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											16.1	////////////////////////////////	
TOTALS	48.5	28.7	5.2	1.0	.2							100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	5.9	5.1	1.4	.1								12.5	5.4	5.0
020-040	1.4	.5										1.9	3.6	3.5
050-070	.8	.1	.1									1.0	3.9	3.0
(E) 080-100	.9											.9	1.9	2.0
110-130	1.1	.5	.2	.2								2.0	6.6	4.0
140-160	1.5	1.8	.3		.1							3.8	5.7	6.0
(S) 170-190	2.6	1.2	.2									4.0	4.1	4.0
200-220	3.5	.8	.1									4.4	3.2	3.0
230-250	4.6	.9	.1									5.6	3.2	3.0
(W) 260-280	7.3	1.7	.1									9.1	3.3	3.0
290-310	10.2	7.8	.6	.1	.1							18.9	4.8	4.0
320-340	8.8	14.7	3.9	.5	.2							28.2	6.4	6.0
VARIABLE														
CALM	////////////////////////////////////											7.7	////////////////////////////////	
TOTALS	48.6	35.1	7.0	.9	.4							100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		9.2	8.9	1.3	.1								19.6	5.2	5.0
020-040		2.2	.1										2.3	2.6	2.0
050-070		.8	.2										1.0	2.9	2.0
(E) 080-100		1.0											1.0	2.3	2.0
110-130		.5	.1		.1	.2							1.0	8.8	4.0
140-160		1.5	.6	.3	.1								2.6	5.4	4.0
(S) 170-190		1.0	.5	.2									1.7	4.4	3.0
200-220		1.7	.4										2.2	3.4	4.0
230-250		1.7	.6	.3									2.7	4.6	4.0
(W) 260-280		3.7	.9	.1									4.5	3.4	3.0
290-310		6.7	5.1	.9	.1								12.7	5.0	4.0
320-340		14.1	21.3	4.9	.4								40.8	6.2	6.0
VARIABLE															
CALM		////////////////////////////////////										8.1	////////////////////////////////		
TOTALS		44.1	38.7	8.0	.8	.2							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	11.9	2.6										14.5	3.2	3.0
020-040	2.5	.2										2.7	2.3	2.0
050-070	.6											.6	2.7	2.5
(E) 080-100	.8											.8	2.0	2.0
110-130	.9	.1		.2								1.2	5.4	2.0
140-160	.9	.3	.1									1.3	4.6	4.0
(S) 170-190	.9	.2										1.1	3.2	3.0
200-220	.5	.2										.8	3.9	3.0
230-250	1.1	.5	.1									1.7	4.9	4.0
(W) 260-280	1.5	1.2	.1									2.9	4.6	4.0
290-310	6.0	2.5	.6									9.1	4.3	4.0
320-340	23.4	9.0	.8									33.2	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											30.1	////////	
TOTALS	51.1	16.8	1.7	.2								100.0	2.7	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	9.5	3.0	.3									12.8	3.6	3.0
020-040	5.1	.4	.1									5.6	2.7	2.0
050-070	1.4											1.4	1.8	2.0
(E) 080-100	1.7	.1										1.8	2.4	2.0
110-130	1.4	.1	.1									1.6	2.9	2.0
140-160	1.4	.5	.1									2.0	4.2	3.0
(S) 170-190	.3	.5										.9	5.3	5.5
200-220	1.0	.1										1.1	2.7	2.0
230-250	.2	.1										.3	5.0	4.0
(W) 260-280	2.0	.1										2.2	3.0	3.0
290-310	4.7	1.3	.3									6.3	3.7	3.0
320-340	14.2	6.3	.6									21.2	4.1	4.0
VARIABLE														
CALM	////////////////////////////////////											42.8	////////	
TOTALS	42.9	12.5	1.5									100.0	2.1	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.7	4.3	.6	.0								12.7	4.4	4.0
020-040	2.4	.3	.0									2.7	2.7	2.0
050-070	1.5	.1	.0									1.6	2.3	2.0
(E) 080-100	1.7	.1										1.7	2.2	2.0
110-130	2.1	.3	.1	.1	.0							2.6	3.8	2.0
140-160	1.7	.8	.3	.1	.0							2.9	4.9	4.0
(S) 170-190	1.4	.6	.1	.0								2.0	3.9	3.0
200-220	1.4	.2	.0									1.6	3.1	3.0
230-250	1.7	.4	.1									2.2	3.5	3.0
(W) 260-280	2.9	.7	.0									3.7	3.3	3.0
290-310	5.8	2.9	.4	.0	.0							9.2	4.3	4.0
320-340	13.1	10.1	2.1	.2	.0							25.5	5.2	4.0
VARIABLE														
CALM	////////////////////////////////////											31.6	////////////////////////////////	
TOTALS	43.4	20.8	3.7	.4								100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.0	3.9										10.9	3.6	3.0
020-040	3.9											3.9	2.4	2.0
050-070	2.3											2.3	2.3	2.0
(E) 080-100	2.3											2.3	2.0	1.0
110-130	3.1			.8	1.6							5.4	9.6	2.0
140-160	1.6	1.6	.8									3.9	7.2	9.0
(S) 170-190	.8	1.6										2.3	6.3	8.0
200-220	1.6											1.6	2.5	2.5
230-250	2.3											2.3	2.3	2.0
(W) 260-280	3.1	1.6										4.7	3.8	3.0
290-310	3.1	.8										3.9	2.4	2.0
320-340	11.6	9.3	.8									21.7	4.8	4.0
VARIABLE														
CALM	////////////////////											34.9	////////	
TOTALS	42.7	18.8	1.6	.8	1.6							100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 129

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	.7	.7									6.2	3.8	3.0
020-040	2.1											2.1	2.2	2.0
050-070	2.1											2.1	1.8	2.0
(E) 080-100	4.6	.3	.1									5.0	2.5	2.0
110-130	7.3	2.4	1.1	.1	.4							11.4	4.9	3.0
140-160	2.9	1.7	.7	.2	.3							5.8	6.2	4.5
(S) 170-190	1.6	.8	.2									2.6	4.6	4.0
200-220	.8	.2										1.0	3.7	3.0
230-250	.3	.1										.4	3.8	4.0
(W) 260-280	1.2											1.2	2.8	3.0
290-310	2.9	.6	.3									3.8	3.9	3.0
320-340	7.4	2.4	.7	.1								10.7	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											47.7	////////////////////////////////	
TOTALS	38.1	9.2	3.8	.4	.7							100.0	2.2	3.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	.8	.6									6.1	3.7	3.0
020-040	2.7	.2										2.9	2.2	2.0
050-070	2.7	.1										2.8	1.8	2.0
(E) 080-100	3.2	.1										3.3	2.1	2.0
110-130	6.1	2.2	1.3									9.7	4.6	3.0
140-160	3.7	2.1	1.6									7.3	5.4	4.5
(S) 170-190	1.9	.4										2.3	3.3	4.0
200-220	1.2	.4										1.7	3.5	4.0
230-250		.1										.1	6.0	6.0
(W) 260-280	1.1	.2										1.3	3.2	3.0
290-310	3.0	.9	.2									4.1	3.9	3.0
320-340	5.6	1.8	.7	.1								8.1	4.6	3.0
VARIABLE														
CALM	////////////////////////////////////											50.2	////////////////////////////////	
TOTALS	36.0	9.3	4.4	.1								100.0	2.0	3.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	1.4	.3									6.7	3.7	3.0
020-040	1.7	.1										1.8	2.1	2.0
050-070	2.0											2.0	1.8	2.0
(E) 080-100	3.0	.6										3.6	2.0	1.0
110-130	6.6	2.2	1.6	.1	.1							10.6	4.8	3.0
140-160	4.4	2.2	1.7	.4								8.8	5.8	4.0
(S) 170-190	1.2	.7	.1									2.0	4.3	3.0
200-220	.3	.2										.6	4.0	4.0
230-250	.6	.3										.9	3.3	2.0
(W) 260-280	1.1	.2										1.3	2.8	2.5
290-310	3.3	.6										3.9	3.2	2.0
320-340	4.7	2.6	1.0	.2	.1							8.6	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											49.4	////////	
TOTALS	33.8	11.1	4.7	.7	.2							100.0	2.2	3.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		5.8	3.8	.4	.2								10.2	4.8	4.0
020-040		2.1	.3										2.4	3.2	3.0
050-070		1.7	.3										2.0	2.7	2.0
(E) 080-100		2.6	.4	.2									3.2	3.4	3.0
110-130		5.9	3.0	1.4	.7								11.0	5.8	4.0
140-160		6.7	5.9	1.6	.3	.1							14.6	5.5	5.0
(S) 170-190		5.7	1.7	.1									7.4	3.4	3.0
200-220		3.4	1.4	.1									5.0	3.4	2.0
230-250		1.6	.3										1.9	3.1	2.0
(W) 260-280		2.8	.8										3.6	3.1	2.0
290-310		3.2	1.6	.1									4.9	4.0	4.0
320-340		4.2	6.3	3.0	.7								14.2	7.3	7.0
VARIABLE															
CALM		////////////////////////////////////											19.6	//////////	
TOTALS		45.7	25.8	6.9	1.9	.1							100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.0	3.2	1.6	.1	.1							10.0	5.8	4.5
020-040	2.3	1.0										3.3	3.4	3.0
050-070	1.2	.6		.1								1.9	4.1	3.0
(E) 080-100	1.4	.6	.2									2.2	3.9	3.0
110-130	4.0	2.8	1.4	.1								8.3	5.6	5.0
140-160	5.4	4.0	2.1	.6	.2							12.3	6.3	5.0
(S) 170-190	3.9	1.2										5.1	3.3	3.0
200-220	4.4	.7										5.1	2.8	2.0
230-250	2.8	.9										3.7	3.1	2.0
(W) 260-280	6.2	.7	.1									7.0	2.8	2.0
290-310	6.1	2.1	.8	.1								9.1	4.7	4.0
320-340	5.4	6.9	5.1	.6	.3							18.3	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											13.6	////////	
TOTALS	48.1	24.7	11.3	1.6	.6							100.0	4.5	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	9.8	4.8	.7									15.2	4.1	4.0	
020-040	1.6	.6										2.1	3.5	3.0	
050-070	2.1	.1	.1									2.3	3.1	3.0	
(E) 080-100	1.4	.6										2.0	3.8	4.0	
110-130	3.6	1.7	1.3	.1								6.7	5.8	4.0	
140-160	1.9	2.0	1.4	.7	.1							6.1	8.2	7.0	
(S) 170-190	4.4	.6	.1									5.1	3.2	3.0	
200-220	1.9	.3										2.2	2.8	2.0	
230-250	2.3	.3	.1									2.8	3.7	4.0	
(W) 260-280	3.6	.6	.1									4.2	3.3	3.0	
290-310	6.1	2.8	.3									9.2	3.9	4.0	
320-340	10.0	8.4	4.3	.6	.3							23.7	6.3	5.0	
VARIABLE															
CALM	////////////////////////////////////											18.3	////////////////////////////////		
TOTALS	48.7	22.8	8.4	1.4	.4							100.0	4.0	4.0	

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	6.6	1.1	.2									7.9	3.0	2.0
020-040	4.6	.1										4.7	1.9	2.0
050-070	3.1	.2										3.3	2.2	2.0
(E) 080-100	2.7	.2										2.9	2.4	2.0
110-130	3.2	2.0	1.2									6.4	5.4	4.5
140-160	1.9	1.2	.6	.7	.1							4.4	7.7	7.0
(S) 170-190	.9	.3										1.2	3.7	4.0
200-220	.8	.1										.9	2.5	2.0
230-250	.8	.3										1.1	3.2	3.0
(W) 260-280	1.8	.3										2.1	3.2	3.0
290-310	4.6	1.3	.4									6.3	4.1	4.0
320-340	11.2	4.8	1.0									17.0	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////										41.7	//////////		
TOTALS	42.2	11.9	3.4	.7	.1							100.0	2.3	3.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.9	1.7	.4									9.0	3.5	3.0
020-040	2.8	.2										3.0	2.6	2.0
050-070	2.7	.2										2.9	2.3	2.0
(E) 080-100	4.6	.7	.1									5.3	3.0	2.5
110-130	5.1	1.3	1.0	.2	.2							7.9	5.4	4.0
140-160	2.3	1.8	.8	.1								5.0	5.2	5.0
(S) 170-190	.8	.6										1.3	4.0	3.5
200-220	.3	.2										.6	2.8	1.0
230-250	.7	.1										.8	3.3	4.0
(W) 260-280	.9											.9	2.8	2.5
290-310	2.8	.7	.3									3.8	3.9	3.0
320-340	8.1	2.6	.9	.2								11.8	4.5	4.0
VARIABLE														
CALM	////////////////////////////////////											47.8	////////////////////////////////	
TOTALS	38.0	10.1	3.5	.5	.2							100.0	2.1	3.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	2.2	.6	.0	.0							8.9	4.2	3.0
020-040	2.5	.3										2.8	2.6	2.0
050-070	2.2	.2	.0	.0								2.4	2.4	2.0
(E) 080-100	2.9	.4	.1									3.4	2.8	2.0
110-130	5.2	2.2	1.3	.2	.1							9.0	5.2	4.0
140-160	3.7	2.6	1.3	.4	.1							8.0	6.1	5.0
(S) 170-190	2.5	.8	.1									3.4	3.6	3.0
200-220	1.7	.5	.0									2.1	3.1	2.0
230-250	1.1	.3	.0									1.5	3.3	3.0
(W) 260-280	2.3	.3	.0									2.7	3.0	2.0
290-310	4.0	1.3	.3	.0								5.6	4.0	3.0
320-340	7.1	4.5	2.1	.3	.1							14.0	5.8	4.0
VARIABLE														
CALM	////////////////////											36.0	////////	
TOTALS	41.3	15.6	5.8	.9	.3							100.0	2.9	4.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.7	.9	.2									5.8	3.2	2.0
020-040	3.2											3.2	2.3	2.0
050-070	3.0	.1										3.1	2.1	2.0
(E) 080-100	3.3	.4	.1									3.8	2.6	2.0
110-130	8.2	2.8	1.1		.1							12.2	4.4	4.0
140-160	5.1	4.7	1.7	.8	.1							12.4	6.2	5.0
(S) 170-190	2.8	1.8	.3									4.9	4.2	4.0
200-220	1.7	.5										2.2	3.0	2.0
230-250	.9											.9	2.3	2.0
(W) 260-280	2.2	.5										2.7	3.2	3.0
290-310	3.1	.6										3.7	3.3	3.0
320-340	3.7	3.4	.6									7.7	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											37.1	////////////////////////////////	
TOTALS	41.9	15.7	4.0	.8	.2							100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 996

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	.8	.6	.1								6.3	4.1	3.0
020-040	2.5											2.5	2.0	2.0
050-070	1.7	.1										1.8	1.9	2.0
(E) 080-100	6.9	.5										7.4	2.6	2.0
110-130	9.1	3.3	1.1	.4	.1							14.1	4.5	3.0
140-160	5.8	2.4	.2	.4	.1							8.9	4.6	3.0
(S) 170-190	3.4	1.0										4.4	3.3	3.0
200-220	1.5	.3										1.8	3.2	3.0
230-250	.5											.5	2.6	3.0
(W) 260-280	.5	.1										.6	3.2	3.0
290-310	1.9	1.1		.2								3.2	4.4	3.0
320-340	3.3	1.9	1.2	.3								6.8	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											41.5	////////	
TOTALS	41.9	11.5	3.1	1.4	.2							100.0	2.4	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	.9	.3	.1								4.5	4.1	4.0
020-040	1.9	.1										2.0	2.1	2.0
050-070	2.0	.1										2.2	2.3	2.0
(E) 080-100	4.3	.3										4.6	2.7	2.0
110-130	7.7	3.0	1.7	.5	.4							13.4	5.7	4.0
140-160	4.5	2.5	.3	.2								7.5	4.6	4.0
(S) 170-190	2.6	.5	.2									3.3	3.5	3.0
200-220	2.5	.4										2.9	2.9	2.0
230-250	.8											.8	2.6	2.0
(W) 260-280	.6											.6	2.5	2.0
290-310	2.4	.9	.2	.1								3.5	4.6	4.0
320-340	4.4	2.4	1.2	.4								8.4	5.7	4.0
VARIABLE														
CALM	////////////////////////////////////											46.1	////////////////////////////////	
TOTALS	36.9	11.1	3.9	1.3	.4							100.0	2.4	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 06-08

		WIND SPEED IN KNOTS														
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N)	350-010	3.3	1.4	.4									5.2	4.4	4.0	
	020-040	2.5	.1										2.6	2.0	2.0	
	050-070	1.9											1.9	2.0	2.0	
(E)	080-100	4.4	.4										4.8	2.4	2.0	
	110-130	8.1	4.0	1.1	.6	.3	.1						14.2	5.5	4.0	
	140-160	4.7	2.5	.6	.3	.1							8.3	5.2	4.0	
(S)	170-190	2.6	1.1										3.7	3.4	3.0	
	200-220	1.5	.1										1.6	2.4	2.0	
	230-250	1.6											1.6	2.0	2.0	
(W)	260-280	.8	.1										.9	3.1	2.5	
	290-310	2.6	.5	.1									3.2	3.3	3.0	
	320-340	3.8	3.0	1.5	.8								9.0	6.6	6.0	
VARIABLE																
CALM		////////////////////////////////////											43.0	////////////////////////////////		
TOTALS		37.8	13.2	3.7	1.7	.4	.1						100.0	2.6	3.0	
TOTAL NUMBER OF OBSERVATIONS 930																

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	3.1	.6	.2								6.8	5.7	5.0
020-040	2.4	.6										3.0	3.2	3.5
050-070	2.2	.2										2.4	2.5	2.0
(E) 080-100	3.3	.4		.1	.1							4.0	3.7	2.0
110-130	8.3	5.9	1.6	.9	.2							16.9	5.9	5.0
140-160	5.9	5.1	1.9	.9	.2							14.0	6.2	5.0
(S) 170-190	5.3	1.7	.3									7.3	4.0	4.0
200-220	3.5	.3										3.9	2.5	2.0
230-250	1.7	.1										1.8	2.5	2.0
(W) 260-280	.8	.2										1.0	3.1	3.0
290-310	1.7	1.0	.1									2.8	4.2	3.5
320-340	3.0	3.5	1.9	.6	.2							9.4	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											26.9	////////	
TOTALS	40.9	22.1	6.4	2.7	.7							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	3.7	1.6		.4							11.1	5.7	5.0
020-040	3.1	.5	.1									3.8	3.1	2.0
050-070	1.0	.3										1.3	2.6	2.0
(E) 080-100	2.6	1.0										3.5	3.3	3.0
110-130	3.4	1.9	1.5	1.3	.8							8.9	8.6	6.0
140-160	4.8	6.0	2.5	.2	.1							13.7	6.2	6.0
(S) 170-190	6.0	2.4	.4	.1	.1							9.0	4.3	4.0
200-220	3.5	.4	.1	.1								4.2	3.1	2.0
230-250	3.9	.6	.1	.1	.1							4.8	3.3	2.0
(W) 260-280	2.9	.2	.1									3.2	2.5	2.0
290-310	3.2	1.6	.1									4.9	3.7	4.0
320-340	4.0	4.2	1.9	.8	.3							11.2	7.3	6.0
VARIABLE														
CALM	////////////////////											20.3	////////	
TOTALS	43.8	22.8	8.4	2.6	1.8							100.0	4.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.1	2.9	.6	.2	.1							10.0	4.9	4.0
020-040	3.2	.4										3.7	2.7	2.0
050-070	1.4	.1										1.5	3.1	3.0
(E) 080-100	2.5	.5	.1	.1								3.2	4.4	4.0
110-130	5.3	3.8	.6	.9	.1							10.6	5.9	5.0
140-160	4.5	3.0	1.1		.1							8.7	5.4	4.0
(S) 170-190	3.5	1.8	.3									5.7	4.1	4.0
200-220	2.7	.1	.1	.1								3.0	3.2	2.0
230-250	2.2	.5	.5									3.2	4.3	3.0
(W) 260-280	4.3	.5										4.8	2.6	2.0
290-310	3.3	1.5	.1									4.9	3.9	4.0
320-340	8.4	5.8	1.6	1.0	.2							17.0	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											23.5	////////	
TOTALS	47.4	20.9	5.0	2.3	.5							100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64					
(N) 350-010	4.8	1.2	.1	.2								6.3	3.7	3.0	
020-040	2.4	.4	.1	.2								3.1	4.0	2.0	
050-070	1.9											1.9	1.7	1.5	
(E) 080-100	4.6	.8										5.4	2.7	2.0	
110-130	5.8	1.4	1.1	.4	.1							8.8	5.2	4.0	
140-160	5.5	1.8	.6	.5	.2							8.7	5.4	4.0	
(S) 170-190	2.6	.9										3.4	3.3	3.0	
200-220	1.3	.1	.3									1.7	3.9	2.0	
230-250	1.9	.2										2.2	2.6	2.0	
(W) 260-280	3.2		.1									3.3	2.7	2.0	
290-310	3.8	1.5										5.3	3.4	3.0	
320-340	6.6	3.3	1.1	.6	.1							11.7	5.7	4.0	
VARIABLE															
CALM	////////////////////////////////////											38.1	////////////////////////////////		
TOTALS	44.4	11.6	3.4	1.9	.4							100.0	2.6	3.0	

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	.3	.3	.1								4.4	3.8	3.0
020-040	2.3	.2	.1	.1								2.7	3.1	2.0
050-070	1.9	.1										2.0	2.2	2.0
(E) 080-100	5.1	.6										5.7	3.1	3.0
110-130	8.8	2.6	1.4									12.8	4.3	3.0
140-160	6.1	2.8	1.1	.2								10.2	4.8	4.0
(S) 170-190	2.7	.9	.1									3.7	3.6	3.0
200-220	.5		.1									.6	4.0	3.0
230-250	.5											.5	1.8	2.0
(W) 260-280	1.4	.2										1.6	3.1	3.0
290-310	2.0	1.2	.1									3.3	4.3	4.0
320-340	4.3	2.3	1.5	.3								8.4	5.8	4.0
VARIABLE														
CALM	////////////////////////////////////											44.0	////////	
TOTALS	39.3	11.2	4.7	.7								100.0	2.4	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: ALL

WIND SPEED IN KNOTS																
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN		
(DEGREES)												%	WIND	WIND		
(N) 350-010	4.3	1.8	.6	.1	.1							6.8	4.7	4.0		
020-040	2.5	.3	.0	.0							2.9	2.9	2.0			
050-070	1.8	.1											1.9	2.3	2.0	
(E) 080-100	4.2	.6	.0	.0	.0							4.8	3.0	2.0		
110-130	7.1	3.2	1.3	.6	.3	.0							12.5	5.6	4.0	
140-160	5.2	3.3	1.0	.3	.1							10.0	5.4	4.0		
(S) 170-190	3.6	1.3	.2	.0	.0							5.1	3.8	3.0		
200-220	2.1	.2	.1	.0							2.5	3.0	2.0			
230-250	1.6	.2	.1	.0	.0							1.9	3.1	2.0		
(W) 260-280	1.8	.2	.0											2.0	2.7	2.0
290-310	2.6	1.2	.1	.0							3.9	3.9	4.0			
320-340	4.7	3.3	1.5	.6	.1							10.2	6.3	5.0		
VARIABLE																
CALM	////////////////////////////////////											35.4	//////////			
TOTALS	41.5	15.7	4.9	1.6	.6							100.0	3.0	4.0		

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	1.3	.2									5.4	3.7	3.0
020-040	2.5	.4										2.9	2.5	2.0
050-070	1.9	.1										2.0	2.3	2.0
(E) 080-100	3.4	.5										3.8	2.8	2.0
110-130	6.9	2.1	.3	.1	.2	.0						9.6	4.3	3.5
140-160	6.4	2.0	.5	.0	.1							9.0	4.2	4.0
(S) 170-190	4.4	.9	.2									5.5	3.4	3.0
200-220	2.4	.3										2.7	2.4	2.0
230-250	2.4	.1										2.6	2.3	2.0
(W) 260-280	2.3	.1	.0									2.4	2.4	2.0
290-310	3.3	1.3	.0									4.7	3.6	3.0
320-340	5.6	3.6	.9									10.2	4.8	4.0
VARIABLE														
CALM	////////////////////											39.2	////////	
TOTALS	45.5	12.7	2.1	.1	.3							100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 2423

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.8	6.9	1.2	.1	.0	.0						16.0	5.1	5.0
020-040	2.6	.5	.0	.0								3.2	3.0	2.0
050-070	1.2	.1	.0	.0								1.3	2.4	2.0
(E) 080-100	1.9	.3	.0	.0	.0							2.3	2.9	2.0
110-130	3.0	1.3	.7	.3	.1	.0	.0	.0				5.5	5.8	4.0
140-160	2.3	1.4	.5	.2	.1	.0	.0					4.5	5.7	4.0
(S) 170-190	1.6	.6	.1	.0	.0							2.3	3.8	3.0
200-220	1.2	.3	.1	.0								1.6	3.6	3.0
230-250	1.1	.5	.1	.0	.0							1.7	4.2	4.0
(W) 260-280	2.1	.9	.1	.0								3.2	4.1	4.0
290-310	4.6	4.2	.4	.0	.0							9.2	4.9	5.0
320-340	10.4	14.2	3.5	.4	.1	.0						28.5	6.1	6.0
VARIABLE														
CALM	////////////////////											20.9	////////	
TOTALS	39.8	31.2	6.7	1.0	.3							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS: 87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	1.3	.2	.0								6.0	3.8	3.0
020-040	2.7	.2	.0									3.0	2.5	2.0
050-070	2.1	.1										2.2	2.2	2.0
(E) 080-100	3.5	.5	.0									4.0	2.8	2.0
110-130	7.0	2.2	.6	.2	.1	.0						10.2	4.4	3.0
140-160	6.2	3.0	.8	.3	.1	.0						10.4	4.9	4.0
(S) 170-190	4.3	1.3	.1									5.8	3.5	3.0
200-220	2.3	.3	.0									2.7	2.6	2.0
230-250	1.8	.1										1.9	2.5	2.0
(W) 260-280	1.9	.2	.0									2.2	2.8	2.0
290-310	3.0	1.0	.1									4.1	3.6	3.0
320-340	5.1	3.4	1.3	.1								9.9	5.2	4.0
VARIABLE														
CALM	////////////////////////////////////											37.7	////////////////////////////////	
TOTALS	44.3	13.6	3.1	.6	.2							100.0	2.5	3.0

TOTAL NUMBER OF OBSERVATIONS: 6900

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

D - 1 - 1

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

D - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.8	18.0	20.6	21.8	25.9	26.8	30.9	33.1	33.3	35.1	35.7	35.9	36.3	36.5	37.4	40.4
GE 20000	17.7	19.0	22.3	23.5	28.0	29.1	33.4	36.2	36.6	38.6	39.2	39.5	40.1	40.2	41.2	44.2
GE 18000	17.7	19.0	22.3	23.7	28.1	29.2	33.7	36.6	36.9	39.0	39.7	39.9	40.5	40.6	41.6	44.6
GE 16000	17.7	19.0	22.3	23.7	28.1	29.2	33.7	36.6	36.9	39.0	39.7	39.9	40.5	40.6	41.6	44.6
GE 14000	18.0	19.2	22.5	24.1	28.5	29.7	34.4	37.3	37.6	39.8	40.4	40.6	41.3	41.4	42.4	45.7
GE 12000	18.3	19.7	23.1	24.7	29.9	31.1	35.8	38.7	39.1	41.3	41.9	42.2	42.8	42.9	43.9	47.2
GE 10000	19.4	20.8	24.2	26.5	32.3	33.4	38.7	41.8	42.3	44.8	45.5	45.7	46.3	46.5	47.4	50.8
GE 9000	19.4	20.8	24.2	26.5	32.4	33.5	38.9	42.0	42.5	45.1	45.7	45.9	46.6	46.7	47.6	51.0
GE 8000	21.1	22.6	26.5	28.9	35.1	36.2	41.9	45.3	45.7	48.3	48.9	49.1	49.8	49.9	50.9	54.2
GE 7000	21.7	23.3	27.2	29.7	35.8	37.0	42.7	46.0	46.5	49.0	49.7	49.9	50.5	50.6	51.6	54.9
GE 6000	21.9	23.5	27.4	29.9	36.3	37.5	43.2	46.9	47.3	49.9	50.5	50.8	51.4	51.5	52.5	55.8
GE 5000	22.8	24.5	28.4	30.9	37.3	38.8	44.5	48.3	48.7	51.3	51.9	52.2	52.8	52.9	53.9	57.2
GE 4500	24.3	26.0	30.0	32.5	39.0	40.5	46.2	50.0	50.4	53.0	53.7	53.9	54.5	54.6	55.6	58.9
GE 4000	26.1	27.8	32.4	34.9	41.7	43.4	49.1	52.9	53.3	55.9	56.6	56.8	57.4	57.5	58.5	61.8
GE 3500	26.7	28.4	32.9	35.5	42.3	44.0	49.7	53.4	53.9	56.5	57.1	57.3	58.0	58.1	59.0	62.4
GE 3000	27.8	29.8	34.8	37.6	44.6	46.3	52.0	55.8	56.2	58.8	59.5	59.7	60.3	60.4	61.4	64.7
GE 2500	30.1	32.3	37.7	40.8	47.7	49.5	55.2	58.9	59.4	61.9	62.6	62.8	63.4	63.5	64.5	67.8
GE 2000	30.2	32.4	38.0	41.4	48.5	50.2	56.0	59.8	60.2	62.8	63.4	63.7	64.3	64.4	65.4	68.7
GE 1800	30.2	32.4	38.0	41.4	48.5	50.2	56.0	59.8	60.2	62.8	63.4	63.7	64.3	64.4	65.4	68.7
GE 1500	30.5	32.7	38.3	42.2	49.4	51.3	57.3	61.1	61.6	64.2	64.8	65.1	65.7	65.8	66.8	70.1
GE 1200	30.9	33.1	38.9	43.0	50.3	52.3	58.4	62.2	62.7	65.3	66.2	66.5	67.1	67.2	68.2	71.5
GE 1000	30.9	33.1	38.9	43.0	50.5	52.5	58.6	62.4	62.9	65.6	66.6	66.8	67.4	67.5	68.5	71.8
GE 900	30.9	33.3	39.1	43.2	50.8	52.8	58.9	62.7	63.2	65.9	66.9	67.1	67.7	67.8	68.8	72.2
GE 800	30.9	33.3	39.1	43.2	51.0	53.3	59.5	63.4	64.1	66.8	67.7	68.0	68.6	68.7	69.7	73.0
GE 700	30.9	33.4	39.6	43.7	51.5	54.3	60.6	65.1	65.7	68.5	69.5	69.7	70.3	70.4	71.4	74.7
GE 600	30.9	33.4	39.7	43.8	52.0	54.8	61.3	65.7	66.3	69.1	70.1	70.3	71.0	71.1	72.0	75.4
GE 500	31.0	33.5	39.9	44.3	52.9	56.2	64.4	68.9	69.7	73.2	74.2	74.6	75.3	75.4	76.3	79.7
GE 400	31.0	33.5	39.9	44.3	52.9	56.3	64.7	69.7	70.6	74.7	75.8	76.2	77.0	77.1	78.1	81.6
GE 300	31.0	33.5	39.9	44.3	52.9	56.3	65.3	70.3	71.8	76.6	78.3	78.7	79.8	80.1	81.2	85.4
GE 200	31.0	33.5	39.9	44.3	52.9	56.3	65.4	70.8	72.8	77.5	79.8	80.2	82.0	83.1	85.6	93.9
GE 100	31.0	33.5	39.9	44.3	52.9	56.3	65.4	70.8	72.8	77.6	79.9	80.4	82.3	83.8	86.8	99.8
GE 000	31.0	33.5	39.9	44.3	52.9	56.3	65.4	70.8	72.8	77.6	79.9	80.4	82.3	83.8	86.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.6	15.3	18.1	19.5	22.9	24.1	26.6	29.7	30.2	32.6	33.2	33.2	34.1	34.1	34.6	37.7
GE 20000	15.3	15.9	18.9	20.8	24.4	25.6	28.1	31.7	32.3	34.6	35.3	35.3	36.1	36.1	36.7	39.9
GE 18000	15.3	15.9	18.9	21.0	24.6	25.8	28.3	31.9	32.5	34.9	35.6	35.6	36.8	36.8	37.3	40.5
GE 16000	15.3	15.9	19.0	21.1	24.7	25.9	28.4	32.0	32.6	35.1	35.7	35.7	36.9	36.9	37.4	40.6
GE 14000	15.5	16.1	19.2	21.3	24.9	26.1	28.7	32.5	33.0	35.6	36.2	36.2	37.4	37.4	38.0	41.2
GE 12000	16.2	16.9	20.2	22.4	26.7	27.8	30.6	34.4	35.1	38.0	38.6	38.6	39.8	39.8	40.3	43.5
GE 10000	17.3	18.0	21.5	24.1	28.7	30.0	32.9	36.7	37.3	40.5	41.2	41.2	42.4	42.4	43.0	46.2
GE 9000	17.4	18.1	21.6	24.2	28.8	30.1	33.3	37.1	37.7	41.0	41.6	41.6	42.8	42.8	43.4	46.7
GE 8000	18.3	19.1	23.2	25.8	30.5	31.8	35.6	39.7	40.3	43.5	44.2	44.2	45.4	45.4	46.0	49.2
GE 7000	18.8	19.7	23.8	26.3	31.1	32.4	36.1	40.2	40.9	44.1	44.7	44.7	45.9	45.9	46.6	49.8
GE 6000	18.8	19.7	23.8	26.3	31.4	32.7	36.5	40.6	41.4	44.6	45.3	45.3	46.5	46.5	47.1	50.3
GE 5000	19.5	20.3	24.4	27.2	32.5	34.0	37.8	42.0	42.8	46.0	46.7	46.7	47.8	47.8	48.5	51.7
GE 4500	21.3	22.3	26.5	29.2	34.8	36.3	40.4	44.6	45.4	48.6	49.2	49.2	50.4	50.4	51.1	54.3
GE 4000	22.8	23.9	28.4	31.4	37.3	38.8	42.9	47.1	47.8	51.1	51.7	51.7	52.9	52.9	53.5	56.8
GE 3500	23.8	24.9	29.5	32.6	38.6	40.1	44.3	48.5	49.2	52.5	53.1	53.1	54.3	54.3	54.9	58.2
GE 3000	24.6	25.9	30.6	33.9	40.0	41.5	45.7	49.9	50.6	53.9	54.5	54.5	55.7	55.7	56.3	59.8
GE 2500	25.5	27.0	32.0	35.3	41.6	43.1	47.3	51.5	52.3	55.5	56.1	56.1	57.3	57.3	58.0	61.4
GE 2000	26.5	28.0	33.4	36.9	43.4	44.9	49.2	53.4	54.2	57.5	58.2	58.2	59.4	59.4	60.0	63.7
GE 1800	26.7	28.2	33.7	37.1	43.7	45.2	49.5	53.7	54.4	57.7	58.4	58.4	59.6	59.6	60.2	63.9
GE 1500	27.1	28.6	34.2	38.1	44.9	46.6	50.9	55.3	56.0	59.4	60.0	60.0	61.2	61.2	61.8	65.5
GE 1200	27.3	28.8	34.4	38.4	45.4	47.0	51.3	55.7	56.6	60.0	60.6	60.6	61.8	61.8	62.5	66.1
GE 1000	27.5	29.0	34.6	38.6	46.5	48.1	52.4	56.9	57.7	61.2	61.8	61.8	63.0	63.0	63.7	67.3
GE 900	27.5	29.0	34.7	38.7	46.6	48.2	52.5	57.1	58.0	61.5	62.3	62.3	63.4	63.4	64.1	67.7
GE 800	27.7	29.2	35.1	39.1	47.1	48.7	53.1	58.1	58.9	62.6	63.3	63.3	64.5	64.5	65.2	68.8
GE 700	27.7	29.2	35.1	39.1	47.8	49.6	54.1	59.4	60.2	63.9	64.6	64.6	65.8	65.8	66.5	70.1
GE 600	27.7	29.2	35.1	39.1	48.0	49.9	54.5	60.2	61.1	64.7	65.5	65.5	66.7	66.7	67.3	71.1
GE 500	27.7	29.2	35.1	39.2	48.2	50.5	56.5	62.5	63.4	67.4	68.2	68.4	69.6	69.6	70.2	74.0
GE 400	27.7	29.2	35.1	39.2	48.3	51.0	57.3	63.7	64.6	69.0	70.1	70.4	71.6	71.7	72.4	76.1
GE 300	27.7	29.2	35.1	39.2	48.5	51.2	58.4	65.2	66.9	71.6	73.9	74.2	75.8	76.0	77.1	82.5
GE 200	27.7	29.2	35.1	39.2	48.5	51.2	58.4	65.4	67.2	72.3	74.9	75.4	78.3	78.9	82.4	92.4
GE 100	27.7	29.2	35.1	39.2	48.5	51.2	58.4	65.4	67.2	72.4	75.2	75.6	78.8	79.8	83.4	99.1
GE 000	27.7	29.2	35.1	39.2	48.5	51.2	58.4	65.4	67.2	72.4	75.2	75.6	78.8	79.8	83.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.4	11.8	12.7	13.5	16.3	17.0	19.4	21.4	21.6	24.2	25.3	25.6	26.5	26.8	27.6	30.9
GE 20000	12.4	12.9	14.0	14.9	18.1	19.0	21.4	23.9	24.1	27.1	28.5	28.8	29.9	30.2	31.1	34.7
GE 18000	12.4	12.9	14.0	14.9	18.1	19.0	21.4	23.9	24.1	27.1	28.6	28.9	30.3	30.6	31.5	35.2
GE 16000	12.6	13.1	14.2	15.2	18.3	19.2	21.6	24.1	24.3	27.3	28.8	29.1	30.5	30.9	31.7	35.4
GE 14000	12.9	13.4	14.6	15.6	18.8	19.8	22.2	24.6	24.8	27.8	29.6	29.9	31.4	31.7	32.7	36.3
GE 12000	13.3	14.1	15.5	16.6	20.4	21.4	24.0	27.0	27.2	30.3	32.0	32.4	33.9	34.2	35.2	38.8
GE 10000	14.8	15.6	17.1	18.3	22.4	23.3	25.9	29.0	29.2	32.5	34.2	34.5	36.1	36.5	37.5	41.3
GE 9000	15.1	15.8	17.3	18.5	22.6	23.5	26.2	29.5	29.7	32.9	34.6	34.9	36.6	36.9	38.0	41.7
GE 8000	16.8	17.5	19.2	20.6	24.9	25.9	28.8	32.4	32.8	36.1	37.8	38.2	39.8	40.1	41.2	44.9
GE 7000	17.4	18.3	20.0	21.4	25.8	26.8	30.1	33.7	34.1	37.4	39.1	39.5	41.1	41.4	42.5	46.2
GE 6000	17.5	18.4	20.3	21.7	26.1	27.1	30.5	34.2	34.6	38.0	39.7	40.0	41.6	41.9	43.0	46.8
GE 5000	18.2	19.0	21.0	22.5	26.9	27.8	31.4	35.1	35.5	38.8	40.8	41.1	42.7	43.0	44.1	47.8
GE 4500	19.4	20.3	22.5	24.0	28.4	29.4	33.0	36.7	37.1	40.4	42.4	42.7	44.3	44.6	45.7	49.5
GE 4000	21.4	22.4	24.7	26.3	31.0	31.9	35.7	39.6	40.0	43.3	45.3	45.6	47.2	47.5	48.6	52.4
GE 3500	22.3	23.2	25.6	27.3	32.2	33.3	37.4	41.3	41.7	45.1	47.0	47.3	48.9	49.2	50.3	54.1
GE 3000	23.5	24.6	27.3	29.1	34.2	35.4	39.5	43.3	43.8	47.2	49.1	49.5	51.1	51.4	52.5	56.2
GE 2500	24.5	25.8	28.5	30.3	35.4	36.7	40.8	44.8	45.3	48.7	50.6	51.1	52.8	53.1	54.2	58.0
GE 2000	24.8	26.1	28.9	31.1	36.2	37.5	41.6	46.0	46.5	50.0	51.9	52.4	54.1	54.4	55.5	59.2
GE 1800	24.9	26.2	29.0	31.3	36.6	37.8	41.9	46.5	46.9	50.4	52.4	52.8	54.5	54.8	55.9	59.7
GE 1500	25.4	26.7	29.5	31.9	37.4	38.8	43.0	47.7	48.2	51.8	53.8	54.2	55.9	56.2	57.4	61.2
GE 1200	25.6	26.9	29.7	32.2	37.6	39.1	43.7	48.7	49.1	52.8	54.7	55.2	56.9	57.2	58.4	62.2
GE 1000	25.6	26.9	30.0	32.5	38.1	39.6	44.7	49.9	50.3	54.0	55.9	56.3	58.1	58.4	59.6	63.3
GE 900	25.6	26.9	30.0	32.5	38.1	39.8	44.9	50.2	50.6	54.3	56.2	56.7	58.4	58.7	59.9	63.7
GE 800	25.6	26.9	30.1	32.7	38.4	40.1	45.3	50.9	51.4	55.4	57.4	57.8	59.6	59.9	61.1	64.8
GE 700	25.6	26.9	30.1	32.8	38.8	40.5	45.9	52.3	52.9	57.0	59.0	59.5	61.2	61.5	62.7	66.5
GE 600	25.6	26.9	30.2	32.9	39.0	41.1	46.5	53.2	53.9	58.3	60.3	60.8	62.5	62.8	64.0	67.7
GE 500	25.7	27.0	30.3	33.0	39.4	42.0	48.1	55.8	56.7	61.3	63.4	63.9	65.9	66.2	67.4	71.6
GE 400	25.7	27.0	30.3	33.0	39.4	42.0	48.8	57.1	58.0	62.8	65.3	65.7	67.7	68.1	69.4	73.8
GE 300	25.7	27.0	30.3	33.0	39.7	42.4	49.5	58.2	59.5	64.4	68.3	68.7	71.2	71.7	73.5	79.5
GE 200	25.7	27.0	30.3	33.0	39.7	42.4	49.5	58.2	59.6	64.8	69.5	69.9	73.7	74.7	79.7	92.7
GE 100	25.7	27.0	30.3	33.0	39.7	42.4	49.5	58.2	59.6	65.1	70.2	70.6	74.6	76.1	81.7	99.2
GE 000	25.7	27.0	30.3	33.0	39.7	42.4	49.5	58.2	59.6	65.1	70.2	70.6	74.6	76.1	81.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	10.0	10.3	11.6	13.5	17.1	18.4	22.0	25.6	26.1	27.3	28.0	28.0	28.6	28.8	29.2	30.8
GE 20000	12.6	13.2	15.4	17.6	21.9	23.3	27.4	31.6	32.3	33.8	34.8	34.8	35.8	36.1	36.8	38.5
GE 18000	12.6	13.4	15.6	17.8	22.2	23.5	27.6	31.8	32.5	34.0	35.1	35.1	36.0	36.3	37.0	38.7
GE 16000	12.8	13.7	15.8	18.1	22.4	23.8	27.8	32.0	32.7	34.2	35.3	35.3	36.2	36.6	37.2	38.9
GE 14000	13.2	14.2	16.5	18.7	23.0	24.5	28.7	32.9	33.5	35.1	36.1	36.1	37.1	37.4	38.1	39.8
GE 12000	14.4	15.5	18.1	20.8	25.5	27.0	31.8	36.2	36.9	38.4	39.5	39.5	40.4	40.8	41.4	43.1
GE 10000	14.7	15.9	18.5	21.2	25.9	27.5	32.7	37.5	38.2	39.7	40.8	40.8	41.7	42.0	42.7	44.6
GE 9000	14.8	16.0	18.6	21.3	26.0	27.7	32.9	37.7	38.4	39.9	41.0	41.0	41.9	42.3	42.9	44.8
GE 8000	16.1	17.6	20.3	23.0	28.1	29.8	35.3	40.3	41.2	42.8	43.9	44.0	44.9	45.3	45.9	48.2
GE 7000	16.6	18.1	20.8	23.4	28.6	30.5	36.1	41.3	42.2	43.8	44.8	44.9	45.9	46.2	46.9	49.1
GE 6000	17.0	18.5	21.2	23.9	29.0	31.2	36.9	42.0	42.9	44.5	45.6	45.7	46.7	47.0	47.6	49.9
GE 5000	17.7	19.5	22.3	24.9	30.1	32.3	38.1	43.2	44.1	45.7	46.8	46.9	47.8	48.2	48.8	51.1
GE 4500	18.5	20.2	23.0	25.7	31.1	33.2	39.0	44.3	45.4	47.1	48.2	48.3	49.2	49.6	50.2	52.5
GE 4000	20.2	21.9	24.7	27.4	32.9	35.1	40.9	46.2	47.3	49.2	50.3	50.4	51.4	51.7	52.4	54.6
GE 3500	21.3	23.2	26.1	28.8	34.3	36.7	42.5	47.8	48.9	50.9	51.9	52.0	53.0	53.3	54.0	56.2
GE 3000	22.2	24.1	27.2	30.0	35.7	38.1	44.3	49.8	50.9	53.0	54.2	54.3	55.3	55.6	56.2	58.5
GE 2500	23.0	25.3	28.5	31.3	37.0	39.6	45.8	51.4	52.5	54.6	55.8	55.9	56.9	57.2	57.8	60.1
GE 2000	23.2	25.5	28.7	31.6	37.3	40.2	46.8	52.4	53.4	55.6	56.9	57.0	58.0	58.3	58.9	61.2
GE 1800	23.2	25.5	28.7	31.6	37.3	40.2	46.8	52.4	53.4	55.6	56.9	57.0	58.0	58.3	58.9	61.2
GE 1500	23.5	25.8	29.5	32.6	38.9	41.8	48.6	54.3	55.4	57.7	59.1	59.2	60.2	60.5	61.2	63.4
GE 1200	23.5	25.8	29.5	32.7	39.0	42.0	49.0	54.7	55.8	58.2	59.6	59.7	60.6	61.0	61.6	63.9
GE 1000	23.5	25.8	29.5	32.7	39.2	42.3	49.7	55.5	56.7	59.4	60.9	61.0	61.9	62.3	62.9	65.2
GE 900	23.5	25.8	29.6	32.8	39.5	42.6	50.1	56.0	57.2	59.9	61.4	61.5	62.5	62.8	63.4	65.7
GE 800	23.5	26.0	29.9	33.3	40.4	43.8	51.9	58.2	59.4	62.3	63.8	63.9	64.8	65.2	65.8	68.1
GE 700	23.5	26.1	30.1	33.7	40.8	44.3	52.9	59.9	61.2	64.4	65.9	66.0	67.0	67.3	68.0	70.2
GE 600	23.7	26.2	30.2	33.8	41.4	45.4	54.3	61.4	62.9	66.1	67.7	67.8	68.8	69.2	69.9	72.2
GE 500	23.7	26.3	30.3	33.9	41.6	45.7	56.1	64.7	66.3	69.9	71.6	71.7	72.8	73.2	74.0	76.6
GE 400	23.7	26.3	30.4	34.0	41.7	45.8	57.2	66.3	68.2	71.8	73.7	73.8	74.9	75.6	76.8	79.6
GE 300	23.7	26.3	30.4	34.0	41.7	45.8	57.6	67.4	69.8	74.3	77.4	77.8	79.7	80.4	82.0	86.5
GE 200	23.7	26.3	30.4	34.0	41.7	45.8	57.6	67.5	69.9	74.5	78.7	79.8	83.0	84.4	88.2	96.6
GE 100	23.7	26.3	30.4	34.0	41.7	45.8	57.6	67.5	69.9	74.5	78.9	80.0	83.2	85.1	89.8	100.0
GE 000	23.7	26.3	30.4	34.0	41.7	45.8	57.6	67.5	69.9	74.5	78.9	80.0	83.2	85.1	89.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.1	14.9	18.1	21.2	28.2	30.5	34.2	35.6	35.8	36.1	36.1	36.1	36.5	36.5	36.5	36.5
GE 20000	16.8	18.2	22.4	26.1	34.1	37.1	41.7	43.8	44.3	44.9	44.9	45.1	45.5	45.5	45.5	45.5
GE 18000	17.0	18.7	22.9	26.8	34.7	37.7	42.4	44.4	44.9	45.6	45.6	45.7	46.1	46.1	46.1	46.1
GE 16000	17.2	18.9	23.1	27.0	34.9	38.0	42.6	44.6	45.2	45.8	45.8	45.9	46.3	46.3	46.3	46.3
GE 14000	17.7	19.6	23.8	27.6	36.0	39.0	43.7	45.7	46.2	46.9	46.9	47.0	47.4	47.4	47.4	47.4
GE 12000	19.1	21.1	25.4	29.5	37.8	40.9	45.6	47.7	48.3	48.9	48.9	49.0	49.5	49.5	49.5	49.5
GE 10000	21.2	23.1	27.5	32.2	41.0	44.0	48.9	51.4	51.9	52.6	52.6	52.7	53.1	53.1	53.1	53.1
GE 9000	21.4	23.3	27.7	32.6	41.4	44.6	49.6	52.0	52.6	53.2	53.2	53.3	53.8	53.8	53.8	53.8
GE 8000	23.0	25.2	29.7	34.6	44.0	47.2	52.3	54.7	55.3	56.0	56.1	56.2	56.8	56.8	56.8	56.8
GE 7000	24.0	26.1	31.1	36.0	45.4	48.6	53.7	56.1	56.7	57.4	57.5	57.6	58.2	58.2	58.2	58.2
GE 6000	24.2	26.3	31.3	36.2	45.6	48.8	54.1	56.8	57.3	58.1	58.2	58.3	58.8	58.8	58.8	58.8
GE 5000	24.8	27.0	32.0	37.0	46.3	49.6	54.9	57.7	58.3	59.0	59.1	59.2	59.8	59.8	59.8	59.8
GE 4500	25.4	27.5	32.7	37.7	47.1	50.5	55.9	58.8	59.4	60.1	60.2	60.3	60.9	60.9	60.9	60.9
GE 4000	27.0	29.2	34.4	39.5	48.8	52.3	57.6	60.5	61.1	61.8	61.9	62.0	62.6	62.6	62.6	62.6
GE 3500	27.6	29.9	35.1	40.1	49.5	52.9	58.3	61.2	61.7	62.5	62.6	62.7	63.2	63.2	63.2	63.2
GE 3000	29.9	32.2	37.7	42.9	52.7	56.1	61.5	64.4	64.9	65.7	65.8	65.9	66.5	66.5	66.5	66.5
GE 2500	30.3	32.7	38.5	43.7	53.4	56.9	62.3	65.2	65.7	66.5	66.6	66.7	67.2	67.2	67.2	67.2
GE 2000	31.3	33.8	39.7	44.8	54.6	58.3	63.8	66.7	67.2	68.0	68.1	68.2	68.7	68.7	68.7	68.7
GE 1800	31.3	33.8	39.7	44.8	54.6	58.4	63.9	66.8	67.3	68.1	68.2	68.3	68.8	68.8	68.8	68.8
GE 1500	31.9	34.5	40.8	45.9	56.1	60.0	66.1	69.0	69.6	70.3	70.4	70.5	71.1	71.1	71.1	71.1
GE 1200	32.0	34.6	40.9	46.1	56.6	60.4	66.8	69.8	70.3	71.2	71.3	71.4	71.9	71.9	71.9	71.9
GE 1000	32.0	34.6	40.9	46.3	57.6	62.2	69.1	72.8	73.3	74.2	74.3	74.4	74.9	74.9	74.9	74.9
GE 900	32.4	34.9	41.2	46.7	58.4	62.9	70.1	74.2	74.7	75.6	75.7	75.8	76.3	76.3	76.3	76.3
GE 800	32.4	35.2	41.5	47.0	59.5	64.3	72.8	77.5	78.1	78.9	79.0	79.1	79.7	79.7	79.7	79.7
GE 700	32.4	35.3	41.6	47.2	60.2	66.0	75.4	80.4	81.0	81.8	82.0	82.2	82.7	82.7	82.7	82.7
GE 600	32.4	35.4	41.7	47.3	60.5	66.8	76.5	82.0	82.8	83.9	84.1	84.2	84.7	84.7	84.7	84.7
GE 500	32.4	35.4	41.7	47.3	60.6	67.2	78.3	85.2	86.0	87.8	88.1	88.3	89.0	89.0	89.1	89.1
GE 400	32.4	35.4	41.7	47.3	60.6	67.5	79.2	88.0	89.0	91.4	91.7	92.2	93.1	93.2	93.3	93.3
GE 300	32.4	35.4	41.7	47.3	60.6	67.5	79.4	89.1	90.6	94.5	95.2	95.7	97.2	97.4	97.6	97.6
GE 200	32.4	35.4	41.7	47.3	60.6	67.5	79.4	89.1	90.6	94.6	95.5	96.0	98.2	98.5	99.1	99.4
GE 100	32.4	35.4	41.7	47.3	60.6	67.5	79.4	89.1	90.6	94.6	95.5	96.0	98.3	98.6	99.6	100.0
GE 000	32.4	35.4	41.7	47.3	60.6	67.5	79.4	89.1	90.6	94.6	95.5	96.0	98.3	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.2	23.1	26.9	33.2	39.2	40.6	41.9	43.4	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 20000	22.7	26.3	31.0	38.1	46.1	48.0	50.6	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 18000	22.9	26.7	31.3	38.4	46.5	48.3	51.0	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 16000	23.0	26.8	31.5	38.6	46.8	48.6	51.3	53.4	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	23.4	27.5	32.5	39.6	48.1	49.9	52.7	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	24.4	28.6	33.5	41.2	50.0	51.8	54.6	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	26.7	31.0	36.2	43.9	52.8	54.7	57.5	60.0	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 9000	26.8	31.1	36.3	44.0	52.9	54.8	57.8	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 8000	28.9	33.3	38.8	46.6	55.9	57.8	61.6	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	29.8	34.2	39.8	47.5	57.0	58.9	62.7	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 6000	30.2	34.6	40.3	48.1	57.5	59.5	63.2	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 5000	31.6	36.1	42.5	50.3	60.1	62.0	65.8	68.9	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4500	32.2	36.7	43.0	50.9	60.8	62.7	66.5	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 4000	34.0	38.5	44.8	52.7	62.6	64.7	68.7	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3500	34.5	39.0	45.4	53.2	63.2	65.4	69.4	72.7	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3000	36.3	40.9	47.3	55.3	65.4	67.8	72.2	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	36.9	41.4	48.0	56.2	66.3	68.8	73.1	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 2000	37.1	41.7	48.3	56.6	66.9	69.4	73.8	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 1800	37.2	41.9	48.5	56.8	67.1	69.6	74.0	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1500	37.3	42.2	48.7	57.0	67.3	69.8	74.9	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1200	37.6	42.5	49.0	57.3	68.6	71.1	76.7	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 1000	37.6	42.6	49.1	57.4	69.6	72.2	78.2	82.0	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 900	37.6	42.6	49.1	57.4	69.9	72.7	79.2	83.3	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.9
GE 800	38.0	43.0	49.6	57.8	70.6	73.8	81.0	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.9
GE 700	38.0	43.0	49.6	57.8	70.9	74.7	83.3	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	89.0
GE 600	38.0	43.0	49.6	57.8	70.9	74.9	84.2	89.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.6
GE 500	38.0	43.0	49.6	57.8	71.3	75.6	87.1	94.1	94.3	95.5	95.5	95.5	95.5	95.5	95.5	95.7
GE 400	38.0	43.0	49.6	57.8	71.3	75.6	87.6	95.6	95.8	97.5	98.0	98.1	98.1	98.1	98.1	98.3
GE 300	38.0	43.0	49.6	57.8	71.3	75.6	87.6	95.8	96.1	98.3	98.9	99.2	99.4	99.4	99.4	99.6
GE 200	38.0	43.0	49.6	57.8	71.3	75.6	87.6	95.8	96.1	98.3	98.9	99.4	99.5	99.6	99.6	99.9
GE 100	38.0	43.0	49.6	57.8	71.3	75.6	87.6	95.8	96.1	98.3	98.9	99.4	99.5	99.6	99.7	100.0
GE 000	38.0	43.0	49.6	57.8	71.3	75.6	87.6	95.8	96.1	98.3	98.9	99.4	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.6	29.2	33.9	37.3	41.9	42.5	44.7	45.9	46.0	47.2	47.5	47.5	47.6	47.6	47.7	47.7
GE 20000	28.4	31.3	37.3	41.2	46.8	47.3	50.2	51.8	51.9	53.4	53.8	53.8	53.9	53.9	54.0	54.4
GE 18000	28.5	31.4	37.4	41.3	47.1	47.6	50.5	52.2	52.3	53.8	54.1	54.1	54.2	54.2	54.3	54.7
GE 16000	28.5	31.4	37.4	41.5	47.7	48.3	51.2	52.8	52.9	54.4	54.7	54.7	54.8	54.8	54.9	55.4
GE 14000	29.2	32.3	38.3	42.5	49.2	49.8	52.7	54.3	54.4	55.9	56.2	56.2	56.3	56.3	56.5	56.9
GE 12000	30.1	33.1	39.1	43.3	50.3	50.9	53.8	55.4	55.5	57.0	57.3	57.3	57.4	57.4	57.5	58.0
GE 10000	32.5	35.8	42.2	46.5	53.5	54.1	57.1	59.6	59.7	61.2	61.5	61.5	61.6	61.6	61.7	62.2
GE 9000	32.7	36.0	42.4	46.7	53.8	54.3	57.3	60.0	60.1	61.6	61.9	61.9	62.0	62.0	62.2	62.6
GE 8000	35.3	38.7	45.1	49.4	56.6	57.1	60.6	63.5	63.7	65.5	65.8	65.8	65.9	65.9	66.0	66.5
GE 7000	36.0	39.5	45.8	50.2	57.4	58.0	61.5	64.4	64.5	66.5	66.8	66.8	66.9	66.9	67.0	67.4
GE 6000	36.5	39.9	46.3	50.8	58.3	58.8	62.4	65.4	65.5	67.4	67.7	67.7	67.8	67.8	68.0	68.4
GE 5000	37.3	40.8	47.5	51.9	59.6	60.1	63.7	66.7	66.8	68.7	69.0	69.0	69.1	69.1	69.2	69.7
GE 4500	37.7	41.2	48.1	52.5	60.1	60.6	64.2	67.2	67.3	69.2	69.6	69.6	69.7	69.7	69.8	70.2
GE 4000	39.9	43.4	50.4	54.8	62.6	63.2	67.2	70.4	70.5	72.5	72.8	72.8	72.9	72.9	73.0	73.4
GE 3500	40.2	43.8	50.9	55.3	63.0	63.7	67.6	70.9	71.0	72.9	73.2	73.2	73.3	73.3	73.4	73.9
GE 3000	41.6	45.2	52.4	57.1	65.1	65.8	69.8	73.0	73.1	75.1	75.4	75.4	75.5	75.5	75.6	76.0
GE 2500	42.4	45.9	53.4	58.3	66.2	67.0	71.1	74.6	74.7	76.7	77.0	77.0	77.1	77.1	77.2	77.6
GE 2000	42.6	46.2	53.8	58.9	66.9	67.6	71.7	75.3	75.4	77.3	77.6	77.6	77.7	77.7	77.8	78.3
GE 1800	42.6	46.2	53.8	58.9	66.9	67.6	71.7	75.3	75.4	77.3	77.6	77.6	77.7	77.7	77.8	78.3
GE 1500	42.9	46.6	54.1	59.4	67.3	68.1	72.3	75.8	75.9	77.8	78.2	78.2	78.3	78.3	78.4	78.8
GE 1200	42.9	46.6	54.1	59.5	67.6	68.5	72.9	76.7	76.8	78.7	79.0	79.0	79.1	79.1	79.2	79.7
GE 1000	42.9	46.6	54.1	59.5	68.4	69.5	74.2	78.1	78.2	80.1	80.4	80.4	80.5	80.5	80.6	81.1
GE 900	42.9	46.6	54.1	59.5	68.4	69.7	74.4	78.4	78.5	80.4	80.8	80.8	80.9	80.9	81.0	81.4
GE 800	43.1	46.8	54.3	59.9	69.5	70.9	76.0	80.5	80.6	82.7	83.0	83.0	83.1	83.1	83.2	83.7
GE 700	43.1	46.8	54.4	60.1	70.0	72.3	78.2	83.3	83.4	85.5	85.9	85.9	86.0	86.0	86.1	86.6
GE 600	43.1	46.8	54.4	60.1	70.1	72.6	78.6	84.4	84.6	86.7	87.1	87.1	87.2	87.2	87.3	87.7
GE 500	43.1	46.8	54.4	60.1	70.8	73.3	81.0	87.2	87.8	90.1	90.5	90.5	90.6	90.6	90.8	91.2
GE 400	43.1	46.8	54.4	60.1	70.8	73.3	81.6	88.7	89.4	92.2	92.7	92.7	93.0	93.0	93.1	93.5
GE 300	43.1	46.8	54.4	60.1	70.8	73.3	81.6	89.5	90.2	93.5	94.7	94.7	95.6	95.8	95.9	97.4
GE 200	43.1	46.8	54.4	60.1	70.8	73.3	81.6	89.6	90.5	94.0	95.5	95.5	96.9	97.1	97.2	98.9
GE 100	43.1	46.8	54.4	60.1	70.8	73.3	81.6	89.6	90.5	94.0	95.5	95.5	96.9	97.1	97.6	99.9
GE 000	43.1	46.8	54.4	60.1	70.8	73.3	81.6	89.6	90.5	94.0	95.5	95.5	96.9	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 931

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.6	23.5	27.7	31.4	36.6	37.2	39.6	40.9	40.9	42.6	43.0	43.1	43.5	43.9	44.2	45.5
GE 20000	23.4	25.5	30.3	34.6	40.4	41.2	43.9	45.4	45.4	47.2	47.6	47.7	48.2	48.5	48.8	50.8
GE 18000	23.4	25.5	30.3	34.7	40.5	41.3	44.0	45.5	45.5	47.3	47.7	47.8	48.3	48.6	48.9	50.9
GE 16000	23.4	25.5	30.3	34.7	40.8	41.5	44.2	45.7	45.7	47.5	48.0	48.1	48.5	48.8	49.1	51.1
GE 14000	23.4	25.5	30.3	34.8	41.1	41.8	44.7	46.2	46.2	48.1	48.5	48.6	49.0	49.4	49.7	51.6
GE 12000	24.3	26.5	31.3	35.8	42.6	43.3	46.3	48.0	48.0	49.8	50.3	50.4	50.9	51.2	51.6	53.5
GE 10000	26.8	28.9	34.0	38.7	46.0	46.8	50.2	52.2	52.2	54.2	54.7	54.8	55.3	55.6	56.0	58.0
GE 9000	27.0	29.1	34.2	38.9	46.3	47.1	50.8	52.7	52.7	54.7	55.3	55.4	55.8	56.1	56.6	58.5
GE 8000	28.9	31.4	36.6	41.5	49.1	49.9	53.7	55.9	55.9	58.1	58.8	58.9	59.4	59.7	60.1	62.0
GE 7000	29.9	32.4	37.6	42.6	50.2	51.0	54.8	57.2	57.2	59.4	60.1	60.2	60.6	61.0	61.4	63.3
GE 6000	30.1	32.6	37.8	42.8	50.4	51.2	55.1	57.4	57.4	59.6	60.3	60.4	60.9	61.2	61.6	63.5
GE 5000	31.0	33.4	39.0	44.1	51.8	52.6	56.5	58.8	58.8	61.0	61.7	61.8	62.3	62.6	63.0	64.9
GE 4500	31.9	34.5	40.1	45.2	52.9	53.7	57.5	59.9	59.9	62.0	62.8	62.9	63.3	63.7	64.1	66.0
GE 4000	33.2	35.8	41.5	46.6	54.5	55.4	59.4	61.8	61.8	64.0	64.7	64.8	65.3	65.6	66.0	68.0
GE 3500	34.2	36.8	42.6	47.6	55.7	56.6	60.5	63.0	63.0	65.2	65.9	66.0	66.5	66.8	67.2	69.1
GE 3000	36.1	38.7	44.8	50.1	58.2	59.0	63.0	65.5	65.5	67.6	68.4	68.5	68.9	69.2	69.7	71.6
GE 2500	37.0	39.6	45.9	51.6	59.8	60.6	64.6	67.4	67.4	69.6	70.3	70.4	70.9	71.2	71.6	73.5
GE 2000	37.6	40.2	46.7	52.7	61.0	61.8	65.8	68.6	68.6	70.8	71.5	71.6	72.0	72.4	72.8	74.7
GE 1800	37.7	40.3	46.8	52.8	61.2	62.0	66.0	68.8	68.8	71.0	71.7	71.8	72.3	72.6	73.0	74.9
GE 1500	38.1	40.6	47.1	53.2	61.6	62.7	67.1	69.9	69.9	72.0	72.8	72.9	73.3	73.7	74.1	76.0
GE 1200	38.1	40.6	47.1	53.4	61.8	62.9	67.3	70.2	70.2	72.4	73.1	73.2	73.7	74.0	74.4	76.3
GE 1000	38.1	40.6	47.1	53.7	62.5	63.5	68.0	71.0	71.0	73.1	73.9	74.0	74.4	74.7	75.2	77.1
GE 900	38.1	40.6	47.1	53.7	62.9	64.1	68.5	71.5	71.6	73.8	74.5	74.6	75.1	75.4	75.8	77.7
GE 800	38.3	40.9	47.3	53.9	63.4	64.9	69.4	72.7	72.9	75.1	75.8	75.9	76.3	76.7	77.1	79.0
GE 700	38.6	41.2	47.7	54.3	64.6	66.6	71.2	74.8	75.1	77.2	78.1	78.2	78.6	78.9	79.4	81.3
GE 600	38.6	41.2	47.7	54.3	65.1	67.6	72.4	76.1	76.3	78.5	79.4	79.5	79.9	80.2	80.6	82.6
GE 500	38.6	41.2	48.0	54.5	65.5	68.3	73.9	77.6	78.2	81.1	81.9	82.0	82.6	82.9	83.3	85.3
GE 400	38.6	41.2	48.0	54.5	65.7	68.6	74.5	78.9	79.5	82.8	83.7	83.8	84.3	84.6	85.1	87.0
GE 300	38.6	41.2	48.0	54.5	65.7	68.7	74.9	79.7	80.9	85.2	86.8	86.9	87.6	88.3	88.9	91.7
GE 200	38.6	41.2	48.0	54.5	65.8	68.8	75.1	79.9	81.4	85.9	88.1	88.3	90.3	91.6	93.0	97.7
GE 100	38.6	41.2	48.0	54.5	65.6	68.8	75.1	79.9	81.4	85.9	88.1	88.5	90.5	92.0	93.7	100.0
GE 000	38.6	41.2	48.0	54.5	65.8	68.8	75.1	79.9	81.4	85.9	88.1	88.5	90.5	92.0	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.9	18.3	21.2	23.9	28.5	29.6	32.4	34.4	34.7	36.1	36.6	36.7	37.1	37.2	37.6	39.2
GE 20000	18.7	20.3	23.9	27.1	32.5	33.8	37.1	39.7	39.9	41.6	42.2	42.3	42.8	43.0	43.4	45.1
GE 18000	18.7	20.4	24.1	27.3	32.7	34.1	37.4	39.9	40.2	41.9	42.5	42.6	43.2	43.3	43.8	45.5
GE 16000	18.8	20.5	24.2	27.5	33.0	34.3	37.6	40.2	40.5	42.1	42.7	42.8	43.5	43.6	44.0	45.8
GE 14000	19.2	21.0	24.7	28.0	33.7	35.1	38.5	41.0	41.3	43.0	43.6	43.7	44.4	44.5	45.0	46.8
GE 12000	20.0	21.9	25.8	29.3	35.4	36.8	40.3	43.0	43.3	45.1	45.7	45.8	46.5	46.6	47.1	48.8
GE 10000	21.7	23.6	27.6	31.4	37.8	39.2	43.0	46.0	46.3	48.2	48.8	48.9	49.6	49.7	50.2	52.1
GE 9000	21.8	23.8	27.8	31.6	38.0	39.5	43.4	46.4	46.8	48.6	49.3	49.4	50.0	50.2	50.6	52.5
GE 8000	23.5	25.7	29.9	33.8	40.5	42.0	46.2	49.5	49.9	51.9	52.5	52.6	53.3	53.5	53.9	55.8
GE 7000	24.3	26.4	30.8	34.7	41.4	42.9	47.2	50.5	50.9	52.9	53.6	53.7	54.4	54.5	55.0	56.8
GE 6000	24.5	26.7	31.1	35.0	41.8	43.3	47.7	51.2	51.6	53.6	54.2	54.4	55.0	55.2	55.7	57.5
GE 5000	25.4	27.6	32.1	36.1	43.1	44.7	49.1	52.6	53.0	55.0	55.7	55.8	56.5	56.6	57.1	58.9
GE 4500	26.3	28.6	33.2	37.2	44.3	45.9	50.3	53.9	54.3	56.3	57.0	57.1	57.8	57.9	58.4	60.3
GE 4000	28.1	30.4	35.2	39.2	46.4	48.1	52.7	56.3	56.7	58.8	59.5	59.6	60.3	60.4	60.9	62.7
GE 3500	28.8	31.2	36.0	40.1	47.3	49.1	53.7	57.4	57.8	59.8	60.5	60.6	61.3	61.4	61.9	63.8
GE 3000	30.3	32.7	37.8	42.0	49.5	51.3	56.0	59.7	60.1	62.2	62.9	63.0	63.7	63.8	64.3	66.2
GE 2500	31.2	33.7	39.1	43.4	50.9	52.8	57.5	61.3	61.7	63.8	64.5	64.6	65.3	65.5	65.9	67.8
GE 2000	31.7	34.2	39.7	44.2	51.9	53.8	58.6	62.4	62.8	64.9	65.7	65.8	66.5	66.6	67.1	69.0
GE 1800	31.7	34.3	39.8	44.3	52.0	53.9	58.7	62.6	63.0	65.1	65.8	65.9	66.6	66.8	67.2	69.2
GE 1500	32.1	34.7	40.3	45.0	52.9	54.9	60.0	63.9	64.4	66.5	67.2	67.4	68.1	68.2	68.7	70.6
GE 1200	32.2	34.9	40.4	45.3	53.4	55.4	60.8	64.8	65.2	67.4	68.2	68.3	69.0	69.1	69.6	71.5
GE 1000	32.3	34.9	40.5	45.5	54.0	56.2	61.9	66.1	66.5	68.8	69.5	69.7	70.3	70.5	71.0	72.9
GE 900	32.3	35.0	40.6	45.6	54.3	56.6	62.3	66.7	67.2	69.4	70.2	70.3	71.0	71.1	71.6	73.6
GE 800	32.4	35.2	40.9	45.9	55.0	57.5	63.6	68.3	68.8	71.2	72.0	72.1	72.8	72.9	73.4	75.4
GE 700	32.5	35.2	41.0	46.1	55.6	58.5	65.2	70.4	71.0	73.4	74.2	74.4	75.1	75.2	75.7	77.6
GE 600	32.5	35.3	41.1	46.1	55.9	59.1	66.0	71.6	72.2	74.7	75.6	75.7	76.4	76.6	77.1	79.0
GE 500	32.5	35.3	41.2	46.3	56.3	59.9	68.2	74.5	75.3	78.3	79.2	79.4	80.2	80.3	80.8	82.9
GE 400	32.5	35.3	41.2	46.3	56.3	60.0	68.9	76.0	76.9	80.3	81.4	81.6	82.5	82.7	83.3	85.4
GE 300	32.5	35.3	41.2	46.3	56.4	60.1	69.3	76.9	78.2	82.3	84.2	84.5	85.8	86.1	87.0	90.0
GE 200	32.5	35.3	41.2	46.3	56.4	60.1	69.3	77.0	78.5	82.7	85.1	85.6	87.7	88.5	90.6	96.4
GE 100	32.5	35.3	41.2	46.3	56.4	60.1	69.3	77.0	78.5	82.8	85.3	85.8	88.0	89.0	91.5	99.8
GE 000	32.5	35.3	41.2	46.3	56.4	60.1	69.3	77.0	78.5	82.8	85.3	85.8	88.0	89.0	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.2	44.4	50.2	52.5	56.4	56.9	58.9	59.7	60.0	60.3	60.8	60.9	61.5	61.7	61.8	62.3
GE 20000	44.4	47.0	53.5	56.0	60.2	60.6	62.8	63.6	64.1	64.3	64.9	65.0	65.7	66.0	66.1	66.5
GE 18000	44.6	47.2	53.7	56.5	60.9	61.3	63.5	64.3	64.8	65.0	65.6	65.7	66.4	66.7	66.8	67.3
GE 16000	44.6	47.2	53.7	56.5	60.9	61.3	63.5	64.3	64.8	65.0	65.6	65.7	66.4	66.7	66.8	67.3
GE 14000	46.6	49.5	56.0	58.9	63.2	63.7	66.1	66.9	67.4	67.6	68.2	68.3	69.0	69.3	69.4	69.9
GE 12000	47.4	50.4	56.9	59.7	64.1	64.9	67.3	68.1	68.7	68.9	69.5	69.6	70.3	70.6	70.7	71.2
GE 10000	50.6	53.5	60.4	63.4	68.1	68.9	71.3	72.1	72.7	72.9	73.5	73.6	74.3	74.6	74.7	75.2
GE 9000	51.3	54.3	61.1	64.1	68.8	69.6	72.0	72.8	73.4	73.6	74.2	74.3	75.1	75.3	75.4	75.9
GE 8000	54.6	57.9	64.9	67.8	72.6	73.4	75.8	76.6	77.2	77.4	78.0	78.1	78.8	79.1	79.2	79.7
GE 7000	56.1	59.5	66.4	69.4	74.1	74.9	77.3	78.1	78.7	79.0	79.6	79.7	80.4	80.6	80.7	81.2
GE 6000	57.0	60.4	67.4	70.4	75.2	76.0	78.4	79.2	79.8	80.0	80.6	80.7	81.4	81.7	81.8	82.3
GE 5000	58.4	62.1	69.0	72.1	77.2	78.0	80.4	81.2	81.8	82.0	82.6	82.7	83.5	83.7	83.8	84.3
GE 4500	59.0	62.6	69.9	72.9	78.0	78.8	81.2	82.0	82.6	82.9	83.5	83.6	84.3	84.5	84.6	85.1
GE 4000	61.5	65.1	72.3	75.5	80.6	81.4	83.9	84.8	85.3	85.6	86.2	86.3	87.0	87.2	87.4	87.8
GE 3500	62.6	66.3	73.6	77.1	82.4	83.2	85.7	86.5	87.1	87.4	87.9	88.1	88.8	89.0	89.1	89.6
GE 3000	65.1	68.9	76.7	80.3	85.9	86.8	89.2	90.1	90.7	90.9	91.5	91.6	92.3	92.6	92.7	93.1
GE 2500	66.3	70.1	77.9	81.4	87.1	87.9	90.4	91.3	91.8	92.1	92.7	92.8	93.5	93.7	93.9	94.3
GE 2000	67.1	70.9	78.7	82.3	88.1	88.9	91.4	92.2	92.8	93.0	93.6	93.7	94.4	94.7	94.8	95.3
GE 1800	67.1	70.9	78.7	82.4	88.2	89.0	91.5	92.3	92.9	93.1	93.7	93.9	94.6	94.8	94.9	95.4
GE 1500	67.1	70.9	78.7	82.4	88.2	89.0	91.5	92.3	92.9	93.1	93.7	93.9	94.6	94.8	94.9	95.4
GE 1200	67.1	70.9	78.7	82.4	88.2	89.0	91.5	92.3	92.9	93.1	93.7	93.9	94.6	94.8	94.9	95.4
GE 1000	67.1	70.9	78.7	82.4	88.2	89.0	91.5	92.3	92.9	93.1	93.7	93.9	94.6	94.8	94.9	95.4
GE 900	67.1	70.9	78.7	82.4	88.2	89.0	91.5	92.3	92.9	93.1	93.7	93.9	94.6	94.8	94.9	95.4
GE 800	67.1	70.9	78.7	82.6	88.4	89.2	91.7	92.6	93.1	93.4	94.0	94.1	94.8	95.0	95.2	95.6
GE 700	67.1	70.9	78.7	82.6	88.7	89.5	92.0	92.8	93.4	93.6	94.2	94.3	95.0	95.3	95.4	95.9
GE 600	67.3	71.0	78.8	82.7	88.8	89.6	92.3	93.3	93.9	94.1	94.7	94.8	95.5	95.7	95.9	96.3
GE 500	67.3	71.0	78.8	82.7	88.9	89.7	92.4	93.4	94.1	94.3	94.9	95.0	95.7	96.0	96.1	96.6
GE 400	67.3	71.0	78.8	82.7	88.9	89.7	92.4	93.4	94.1	94.3	94.9	95.0	95.7	96.0	96.1	96.6
GE 300	67.3	71.0	78.8	82.7	88.9	89.7	92.4	93.4	94.1	94.3	94.9	95.3	96.2	96.5	96.6	97.0
GE 200	67.3	71.0	78.8	82.7	88.9	89.7	92.4	93.4	94.1	94.3	95.0	95.4	96.3	96.6	96.9	98.5
GE 100	67.3	71.0	78.8	82.7	88.9	89.7	92.4	93.4	94.1	94.3	95.0	95.4	96.3	96.6	96.9	99.8
GE 000	67.3	71.0	78.8	82.7	88.9	89.7	92.4	93.4	94.1	94.3	95.0	95.4	96.3	96.6	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.0	42.0	48.2	48.9	52.8	53.1	54.7	55.4	55.8	56.9	57.8	58.0	59.1	59.5	59.9	60.5
GE 20000	42.7	44.7	51.3	52.4	57.1	57.6	59.8	60.5	60.9	61.9	62.9	63.1	64.2	64.5	65.1	65.7
GE 18000	42.9	44.9	51.5	52.6	57.3	57.9	60.2	60.9	61.2	62.3	63.2	63.5	64.5	64.9	65.5	66.1
GE 16000	42.9	45.2	51.9	53.0	57.7	58.3	60.5	61.2	61.6	62.6	63.6	63.8	64.9	65.2	65.8	66.4
GE 14000	44.3	46.6	53.7	54.7	59.5	60.0	62.3	63.0	63.4	64.4	65.4	65.6	66.7	67.0	67.6	68.2
GE 12000	45.9	48.2	55.8	56.9	61.6	62.4	64.8	65.5	65.8	66.9	67.8	68.1	69.1	69.5	70.1	70.7
GE 10000	48.6	50.9	58.9	60.2	65.4	66.2	68.7	69.4	69.7	70.8	71.7	72.0	73.0	73.4	74.0	74.6
GE 9000	49.2	51.5	59.5	60.8	66.0	66.8	69.3	70.0	70.3	71.4	72.3	72.6	73.6	74.0	74.6	75.2
GE 8000	51.2	53.7	61.6	63.0	68.3	69.1	71.9	72.6	72.9	74.2	75.2	75.4	76.5	76.8	77.4	78.0
GE 7000	51.7	54.1	62.2	63.7	69.0	69.9	72.6	73.3	73.6	74.9	75.9	76.1	77.2	77.5	78.1	78.7
GE 6000	52.0	54.5	62.5	64.2	69.5	70.3	73.0	73.8	74.1	75.4	76.4	76.6	77.7	78.0	78.6	79.2
GE 5000	53.3	55.9	64.1	65.7	71.3	72.1	74.9	75.7	76.0	77.3	78.3	78.5	79.6	79.9	80.5	81.1
GE 4500	55.1	57.7	66.0	67.7	73.3	74.1	77.0	77.7	78.0	79.3	80.3	80.5	81.6	81.9	82.5	83.1
GE 4000	57.3	59.9	68.2	70.0	75.5	76.4	79.3	80.0	80.4	81.8	82.7	83.0	84.0	84.4	85.0	85.6
GE 3500	58.6	61.2	69.6	71.5	77.1	77.9	81.0	81.7	82.0	83.5	84.4	84.6	85.7	86.1	86.6	87.2
GE 3000	60.6	63.2	72.0	74.1	80.0	80.9	83.9	84.6	85.0	86.4	87.4	87.6	88.7	89.0	89.6	90.2
GE 2500	61.3	64.4	73.2	75.4	81.3	82.2	85.2	85.9	86.3	87.7	88.7	88.9	90.0	90.3	90.9	91.5
GE 2000	61.7	64.8	73.5	76.4	82.3	83.1	86.2	86.9	87.2	88.7	89.6	89.8	90.9	91.3	91.8	92.4
GE 1800	61.8	64.9	73.6	76.5	82.4	83.2	86.3	87.0	87.4	88.8	89.7	90.0	91.0	91.4	92.0	92.6
GE 1500	62.3	65.4	74.2	77.1	83.0	83.8	86.9	87.6	87.9	89.4	90.3	90.5	91.6	92.0	92.6	93.1
GE 1200	62.3	65.4	74.2	77.1	83.0	83.8	86.9	87.6	87.9	89.4	90.3	90.5	91.6	92.0	92.6	93.1
GE 1000	62.4	65.5	74.3	77.2	83.1	83.9	87.0	87.7	88.1	89.5	90.4	90.7	91.7	92.1	92.7	93.3
GE 900	62.4	65.5	74.3	77.2	83.1	83.9	87.0	87.7	88.1	89.5	90.4	90.7	91.7	92.1	92.7	93.3
GE 800	62.5	65.7	74.6	77.4	83.3	84.2	87.2	87.9	88.3	89.8	90.9	91.1	92.2	92.6	93.1	93.7
GE 700	62.5	65.7	74.6	77.4	83.3	84.2	87.2	87.9	88.3	89.8	90.9	91.1	92.2	92.6	93.1	93.7
GE 600	62.6	65.8	74.7	77.5	83.5	84.3	87.4	88.1	88.4	90.0	91.0	91.3	92.3	92.7	93.3	93.9
GE 500	62.6	65.8	74.7	77.5	83.5	84.3	87.4	88.1	88.4	90.1	91.1	91.4	92.4	92.8	93.4	94.0
GE 400	62.6	65.8	74.7	77.5	83.5	84.3	87.4	88.1	88.4	90.1	91.3	91.7	92.8	93.1	93.7	94.3
GE 300	62.6	65.8	74.7	77.5	83.5	84.3	87.4	88.1	88.4	90.1	91.3	91.8	93.1	93.6	94.6	95.3
GE 200	62.6	65.8	74.7	77.5	83.5	84.3	87.4	88.1	88.4	90.1	91.3	91.8	93.6	94.2	95.2	97.8
GE 100	62.6	65.8	74.7	77.5	83.5	84.3	87.5	88.2	88.5	90.2	91.4	92.1	94.0	94.6	95.5	99.6
GE 000	62.6	65.8	74.7	77.5	83.5	84.3	87.5	88.2	88.5	90.2	91.4	92.1	94.0	94.6	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.6	31.9	33.8	35.9	39.7	40.5	43.6	46.6	46.8	48.6	49.3	49.4	51.3	51.5	52.2	54.0
GE 20000	34.6	36.3	39.2	42.0	46.5	47.5	50.9	54.6	55.0	57.0	57.8	57.9	59.9	60.2	61.5	63.7
GE 18000	34.8	36.4	39.4	42.3	46.8	47.9	51.3	55.0	55.3	57.3	58.2	58.3	60.3	60.5	61.8	64.1
GE 16000	34.9	36.5	39.5	42.4	47.2	48.2	51.7	55.3	55.7	57.7	58.5	58.6	60.6	60.9	62.2	64.4
GE 14000	36.1	37.7	40.9	44.1	49.1	50.1	53.7	57.3	57.7	60.0	61.0	61.1	63.1	63.4	64.7	66.9
GE 12000	37.1	38.9	42.3	45.7	50.9	52.0	55.7	59.3	59.7	62.1	63.1	63.2	65.2	65.5	66.8	69.0
GE 10000	38.2	40.0	43.6	47.2	52.4	53.4	57.2	61.1	61.5	63.8	64.9	65.0	67.0	67.3	68.6	70.8
GE 9000	38.7	40.4	44.1	47.8	53.0	54.0	57.8	61.7	62.1	64.4	65.5	65.6	67.6	67.8	69.1	71.4
GE 8000	41.5	43.3	47.0	50.8	56.3	57.3	61.3	65.2	65.6	68.0	69.0	69.1	71.2	71.4	72.7	74.9
GE 7000	42.4	44.2	48.1	51.9	57.4	58.5	62.5	66.4	66.8	69.1	70.2	70.3	72.3	72.6	73.9	76.1
GE 6000	43.0	44.9	48.9	52.7	58.3	59.3	63.4	67.3	67.6	70.0	71.0	71.2	73.2	73.4	74.7	77.0
GE 5000	44.0	46.1	50.1	54.1	59.8	61.0	65.0	68.9	69.3	71.6	72.7	72.8	74.8	75.1	76.4	78.6
GE 4500	45.5	47.6	51.7	55.8	61.6	62.8	66.8	70.7	71.0	73.4	74.5	74.6	76.6	76.8	78.1	80.4
GE 4000	47.5	49.6	53.9	58.3	64.2	65.4	69.4	73.4	73.8	76.1	77.2	77.3	79.3	79.6	80.9	83.1
GE 3500	48.2	50.6	55.2	59.6	65.7	66.9	70.9	74.9	75.3	77.7	78.7	78.8	80.9	81.1	82.4	84.6
GE 3000	50.8	53.4	58.9	63.4	69.6	70.8	74.9	79.0	79.3	81.7	82.7	82.9	84.9	85.1	86.4	88.7
GE 2500	51.1	53.7	59.1	63.6	69.9	71.0	75.2	79.2	79.6	81.9	83.0	83.1	85.1	85.3	86.6	88.9
GE 2000	51.4	54.0	59.5	64.2	70.7	72.0	76.1	80.1	80.5	82.9	83.9	84.0	86.1	86.3	87.6	89.8
GE 1800	51.5	54.1	59.6	64.3	70.8	72.1	76.2	80.3	80.6	83.0	84.0	84.2	86.2	86.4	87.7	90.0
GE 1500	51.9	54.5	59.9	64.7	71.2	72.5	76.7	80.7	81.1	83.5	84.5	84.6	86.8	87.0	88.3	90.5
GE 1200	52.0	54.6	60.0	64.8	71.3	72.6	76.8	80.9	81.2	83.6	84.6	84.8	86.9	87.1	88.4	90.7
GE 1000	52.0	54.6	60.0	64.8	71.3	72.6	76.8	80.9	81.2	83.6	84.6	84.8	86.9	87.1	88.4	90.7
GE 900	52.0	54.6	60.0	64.8	71.3	72.6	76.8	80.9	81.2	83.6	84.6	84.8	86.9	87.1	88.4	90.7
GE 800	52.0	54.6	60.0	64.9	71.4	72.8	77.1	81.1	81.4	83.9	85.0	85.1	87.2	87.5	88.8	91.0
GE 700	52.4	55.0	60.4	65.4	71.9	73.3	77.5	81.6	81.9	84.4	85.5	85.6	87.7	87.9	89.2	91.5
GE 600	52.4	55.0	60.4	65.4	72.1	73.5	77.9	81.9	82.3	84.9	85.9	86.1	88.2	88.4	89.7	92.0
GE 500	52.4	55.0	60.4	65.4	72.1	73.5	77.9	81.9	82.3	84.9	85.9	86.1	88.3	88.5	89.8	92.1
GE 400	52.4	55.0	60.4	65.4	72.2	73.6	78.0	82.0	82.4	85.1	86.3	86.4	88.7	88.9	90.2	92.7
GE 300	52.4	55.0	60.4	65.4	72.2	73.6	78.0	82.0	82.4	85.1	86.3	86.5	89.1	90.0	91.7	94.2
GE 200	52.4	55.0	60.4	65.4	72.2	73.6	78.0	82.0	82.4	85.1	86.4	86.6	89.6	90.7	92.9	97.5
GE 100	52.4	55.0	60.4	65.4	72.2	73.6	78.0	82.0	82.4	85.1	86.4	86.6	89.6	90.7	93.0	99.8
GE 000	52.4	55.0	60.4	65.4	72.2	73.6	78.0	82.0	82.4	85.1	86.4	86.6	89.6	90.7	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.4	33.3	36.6	40.5	45.5	47.8	50.1	51.4	51.7	52.5	53.1	53.1	53.5	53.8	54.3	55.7
GE 20000	36.1	38.5	42.8	47.9	53.7	56.3	59.2	60.9	61.1	62.1	62.6	62.6	63.4	63.7	64.2	65.6
GE 18000	36.4	38.9	43.1	48.3	54.4	57.0	59.9	61.6	61.8	62.8	63.5	63.5	64.2	64.5	65.0	66.4
GE 16000	36.4	38.9	43.3	48.6	54.7	57.3	60.3	61.9	62.2	63.1	63.8	63.8	64.5	64.9	65.4	66.8
GE 14000	37.9	40.7	45.2	50.6	56.9	59.6	62.5	64.3	64.5	65.5	66.2	66.2	66.9	67.3	67.7	69.1
GE 12000	39.4	42.2	47.0	52.6	59.2	62.1	65.2	67.0	67.3	68.3	69.0	69.0	69.7	70.1	70.6	72.0
GE 10000	41.0	43.9	48.8	55.0	61.9	64.8	68.0	70.1	70.3	71.4	72.1	72.1	72.8	73.2	73.6	75.1
GE 9000	41.4	44.2	49.2	55.3	62.3	65.1	68.4	70.6	70.8	71.9	72.6	72.6	73.3	73.6	74.1	75.5
GE 8000	43.1	46.1	51.4	57.7	64.9	67.8	71.2	73.3	73.5	74.6	75.3	75.3	76.0	76.4	76.8	78.3
GE 7000	44.0	47.3	52.8	59.1	66.5	69.6	72.9	75.1	75.3	76.4	77.1	77.1	77.8	78.1	78.6	80.0
GE 6000	44.0	47.2	53.2	59.5	66.9	70.0	73.3	75.4	75.7	76.7	77.4	77.4	78.1	78.5	79.0	80.4
GE 5000	44.8	48.1	54.1	60.4	68.0	71.2	74.6	76.7	77.0	78.0	78.7	78.7	79.4	79.8	80.3	81.7
GE 4500	45.4	48.7	54.7	61.2	68.8	72.0	75.4	77.5	77.8	78.8	79.6	79.6	80.3	80.6	81.1	82.5
GE 4000	47.2	50.6	56.9	63.4	71.2	74.3	77.8	80.0	80.3	81.3	82.0	82.0	82.7	83.1	83.6	85.0
GE 3500	48.3	51.9	58.2	64.8	72.6	75.8	79.2	81.4	81.7	82.7	83.5	83.5	84.2	84.5	85.0	86.4
GE 3000	50.0	53.8	60.6	67.6	75.8	79.0	82.4	84.6	84.9	85.9	86.6	86.6	87.4	87.7	88.2	89.6
GE 2500	50.2	54.0	60.9	68.0	76.2	79.4	82.9	85.1	85.3	86.4	87.1	87.1	87.8	88.2	88.7	90.1
GE 2000	50.6	54.4	61.2	68.4	76.7	79.9	83.3	85.6	85.8	86.9	87.6	87.6	88.3	88.7	89.1	90.5
GE 1800	50.7	54.5	61.3	68.6	76.8	80.0	83.5	85.7	85.9	87.0	87.7	87.7	88.4	88.8	89.2	90.7
GE 1500	50.7	54.5	61.5	68.7	77.1	80.3	83.8	86.1	86.3	87.4	88.1	88.1	88.8	89.1	89.6	91.0
GE 1200	50.8	54.6	61.6	68.8	77.2	80.4	83.9	86.2	86.4	87.5	88.2	88.2	88.9	89.2	89.7	91.1
GE 1000	50.8	54.6	61.6	68.8	77.2	80.4	84.2	86.4	86.8	87.9	88.7	88.7	89.4	89.7	90.2	91.6
GE 900	51.1	55.0	61.9	69.1	77.5	80.7	84.5	86.8	87.1	88.3	89.0	89.0	89.7	90.1	90.5	92.0
GE 800	51.4	55.3	62.4	69.6	78.0	81.2	85.0	87.2	87.6	88.8	89.5	89.5	90.2	90.5	91.0	92.4
GE 700	51.4	55.4	62.5	69.7	78.1	81.3	85.2	87.5	87.8	89.1	89.8	89.8	90.7	91.0	91.5	92.9
GE 600	51.4	55.4	62.5	69.7	78.1	81.3	85.2	87.7	88.1	89.4	90.1	90.1	91.0	91.4	91.8	93.3
GE 500	51.4	55.4	62.6	69.9	78.4	81.6	85.6	88.4	89.1	90.7	91.5	91.5	92.4	92.8	93.3	94.7
GE 400	51.4	55.4	62.6	69.9	78.5	81.8	85.8	88.8	89.5	91.0	92.1	92.1	93.1	93.5	94.0	95.6
GE 300	51.4	55.4	62.6	69.9	78.5	81.8	85.8	88.8	89.5	91.1	92.4	92.7	94.1	94.6	95.4	97.0
GE 200	51.4	55.4	62.6	69.9	78.5	81.8	85.8	88.9	89.6	91.3	92.6	92.8	94.4	95.2	96.3	98.9
GE 100	51.4	55.4	62.6	69.9	78.5	81.8	85.8	88.9	89.6	91.3	92.6	92.8	94.4	95.3	96.5	100.0
GE 000	51.4	55.4	62.6	69.9	78.5	81.8	85.8	88.9	89.6	91.3	92.6	92.8	94.4	95.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.6	37.7	42.3	46.7	52.0	52.8	53.9	54.5	54.6	55.0	55.0	55.0	55.0	55.1	55.1	55.1
GE 20000	41.8	45.5	51.4	56.5	63.9	65.2	66.3	66.9	67.0	67.5	67.5	67.5	67.5	67.6	67.6	67.6
GE 18000	42.4	46.2	52.1	57.2	64.7	66.0	67.0	67.6	67.7	68.2	68.2	68.2	68.2	68.3	68.3	68.3
GE 16000	42.4	46.2	52.1	57.2	64.7	66.0	67.0	67.6	67.7	68.2	68.2	68.2	68.2	68.3	68.3	68.3
GE 14000	44.4	48.3	54.5	59.6	67.3	68.6	69.6	70.2	70.3	70.8	70.8	70.8	70.8	70.9	70.9	70.9
GE 12000	45.2	49.2	55.6	60.8	68.6	70.0	71.0	71.6	71.7	72.2	72.2	72.2	72.2	72.3	72.3	72.3
GE 10000	46.6	50.9	57.8	63.6	71.7	73.3	74.5	75.5	75.7	76.1	76.1	76.1	76.1	76.2	76.2	76.2
GE 9000	46.8	51.2	58.3	64.1	72.3	73.9	75.1	76.1	76.2	76.7	76.7	76.7	76.7	76.8	76.8	76.8
GE 8000	48.3	52.7	59.9	65.7	74.3	75.9	77.2	78.3	78.4	78.8	78.8	78.8	78.8	79.0	79.0	79.0
GE 7000	49.1	53.7	61.0	67.0	75.9	77.4	78.7	79.8	79.9	80.4	80.4	80.4	80.4	80.5	80.5	80.5
GE 6000	49.3	53.9	61.7	67.7	76.7	78.3	79.6	80.6	80.7	81.2	81.2	81.2	81.2	81.3	81.3	81.3
GE 5000	50.4	55.0	62.9	68.9	78.3	79.8	81.1	82.2	82.3	82.7	82.7	82.7	82.7	82.9	82.9	82.9
GE 4500	50.6	55.2	63.1	69.5	78.8	80.4	81.7	82.7	82.9	83.3	83.3	83.3	83.3	83.5	83.5	83.5
GE 4000	53.8	58.4	66.4	72.9	82.4	83.9	85.2	86.4	86.5	87.0	87.0	87.0	87.0	87.1	87.1	87.1
GE 3500	56.1	60.8	68.8	75.4	84.9	86.4	87.7	88.9	89.0	89.5	89.5	89.5	89.5	89.6	89.6	89.6
GE 3000	58.9	63.6	71.6	78.6	88.2	89.7	91.1	92.4	92.6	93.1	93.1	93.1	93.1	93.3	93.3	93.3
GE 2500	59.6	64.3	72.5	79.6	89.4	90.9	92.3	93.6	93.7	94.3	94.3	94.3	94.3	94.4	94.4	94.4
GE 2000	59.7	64.4	72.6	79.7	89.5	91.0	92.4	93.7	93.9	94.4	94.4	94.4	94.4	94.6	94.6	94.6
GE 1800	59.8	64.5	72.7	79.8	89.6	91.1	92.6	93.9	94.0	94.6	94.6	94.6	94.6	94.7	94.7	94.7
GE 1500	59.9	64.7	72.8	79.9	89.7	91.3	92.8	94.2	94.3	94.9	94.9	94.9	94.9	95.0	95.0	95.0
GE 1200	60.2	64.9	73.0	80.1	90.1	91.6	93.1	94.6	94.7	95.3	95.3	95.3	95.3	95.4	95.4	95.4
GE 1000	60.6	65.4	73.5	80.7	90.7	92.2	94.3	95.7	95.9	96.5	96.5	96.5	96.5	96.6	96.6	96.6
GE 900	60.8	65.5	73.6	80.9	90.9	92.4	94.7	96.2	96.3	96.9	96.9	96.9	96.9	97.0	97.0	97.0
GE 800	60.9	65.6	74.0	81.2	91.4	93.1	95.5	97.0	97.2	97.8	97.8	97.8	97.8	97.9	97.9	97.9
GE 700	60.9	65.6	74.0	81.2	91.4	93.1	95.6	97.3	97.4	98.0	98.0	98.0	98.0	98.1	98.1	98.1
GE 600	60.9	65.6	74.0	81.2	91.4	93.1	95.9	97.5	97.6	98.2	98.3	98.3	98.3	98.5	98.5	98.5
GE 500	60.9	65.6	74.0	81.2	91.4	93.1	96.1	97.8	98.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3
GE 400	60.9	65.6	74.0	81.2	91.4	93.1	96.1	98.0	98.2	99.3	99.5	99.5	99.5	99.6	99.6	99.6
GE 300	60.9	65.6	74.0	81.2	91.4	93.1	96.1	98.0	98.2	99.3	99.5	99.6	99.8	99.9	99.9	99.9
GE 200	60.9	65.6	74.0	81.2	91.4	93.1	96.1	98.0	98.2	99.3	99.5	99.6	99.8	99.9	100.0	100.0
GE 100	60.9	65.6	74.0	81.2	91.4	93.1	96.1	98.0	98.2	99.3	99.5	99.6	99.8	99.9	100.0	100.0
GE 000	60.9	65.6	74.0	81.2	91.4	93.1	96.1	98.0	98.2	99.3	99.5	99.6	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.4	40.5	46.8	50.7	53.4	54.3	55.2	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	47.2	52.0	59.2	63.8	67.8	68.7	69.6	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 18000	48.1	53.0	60.2	64.8	68.8	69.6	70.6	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 16000	48.2	53.2	60.5	65.1	69.1	70.0	70.9	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 14000	50.2	55.2	62.6	67.3	71.3	72.2	73.2	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 12000	52.0	57.2	64.8	69.6	74.5	75.4	76.4	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 10000	54.1	59.8	67.4	72.3	77.2	78.1	79.1	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 9000	54.5	60.2	67.8	73.2	78.0	79.0	79.9	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 8000	57.3	63.1	70.9	76.4	81.2	82.2	83.2	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 7000	58.9	64.7	72.5	78.0	82.9	83.8	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 6000	59.3	65.1	72.9	78.5	83.3	84.3	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 5000	60.0	65.8	73.9	79.6	84.4	85.5	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4500	61.0	66.8	74.8	80.6	85.5	86.5	87.9	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4000	63.2	69.1	77.5	83.6	88.7	89.7	91.4	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 3500	64.1	70.0	78.4	84.6	90.0	91.0	92.7	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 3000	65.7	71.9	80.7	87.1	92.7	94.0	95.9	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	66.1	72.2	81.1	87.5	93.0	94.3	96.2	96.7	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	66.2	72.3	81.2	87.7	93.3	94.6	96.6	97.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	66.2	72.3	81.2	87.7	93.3	94.6	96.6	97.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	66.2	72.3	81.2	87.7	93.4	94.7	96.7	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	66.4	72.6	81.4	88.1	94.2	95.5	97.5	98.0	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	66.7	72.8	81.7	88.3	94.4	96.1	98.2	98.7	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	66.8	72.9	81.8	88.4	94.6	96.2	98.6	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	66.8	72.9	81.8	88.4	94.6	96.2	98.6	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	66.8	72.9	81.9	88.5	94.7	96.5	98.9	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	48.3	52.4	56.6	58.7	59.9	60.6	61.8	62.1	62.5	62.6	62.6	62.6	62.6	62.6	62.6
GE 20000	52.7	54.8	59.3	63.8	66.4	67.6	68.3	69.7	70.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6
GE 18000	53.8	55.9	60.6	65.1	67.7	68.9	69.6	71.0	71.3	71.7	71.9	71.9	71.9	71.9	71.9	71.9
GE 16000	53.9	56.0	60.8	65.2	67.8	69.0	69.7	71.2	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	57.3	59.5	64.2	69.0	71.6	72.8	73.5	74.9	75.2	75.7	75.8	75.8	75.8	75.8	75.8	75.8
GE 12000	58.7	60.9	65.7	70.6	73.4	74.6	75.3	76.7	77.0	77.4	77.5	77.5	77.5	77.5	77.5	77.5
GE 10000	61.5	63.6	68.4	73.4	76.2	77.4	78.1	79.6	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4
GE 9000	62.4	64.5	69.4	74.3	77.2	78.4	79.1	80.5	80.7	81.2	81.3	81.3	81.3	81.3	81.3	81.3
GE 8000	66.4	68.9	74.3	79.3	82.2	83.3	84.0	85.5	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	67.4	69.9	75.3	80.3	83.1	84.3	85.0	86.4	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.2
GE 6000	68.1	70.6	76.0	81.0	83.8	85.0	85.7	87.1	87.4	87.8	87.9	87.9	87.9	87.9	87.9	87.9
GE 5000	68.8	71.4	76.8	81.8	85.0	86.2	87.0	88.4	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2
GE 4500	70.2	72.8	78.3	83.2	86.8	87.9	88.8	90.2	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	71.9	74.5	80.1	85.1	88.7	89.8	90.7	92.1	92.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 3500	72.8	75.5	81.2	86.2	89.8	91.0	92.1	93.5	93.7	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	74.6	77.4	83.1	88.1	91.8	93.0	94.1	95.5	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 2500	74.7	77.5	83.6	88.5	92.3	93.5	94.6	96.0	96.2	96.9	97.0	97.2	97.2	97.2	97.2	97.2
GE 2000	75.8	78.6	84.6	89.7	93.5	94.7	95.7	97.2	97.4	98.1	98.2	98.3	98.3	98.3	98.3	98.3
GE 1800	75.8	78.6	84.6	89.7	93.5	94.7	95.7	97.2	97.4	98.1	98.2	98.3	98.3	98.3	98.3	98.3
GE 1500	75.9	78.7	85.0	90.2	94.0	95.2	96.2	97.6	97.9	98.6	98.7	98.8	98.8	98.8	98.8	98.8
GE 1200	76.0	78.8	85.1	90.3	94.2	95.4	96.5	97.9	98.1	98.8	98.9	99.1	99.1	99.1	99.1	99.1
GE 1000	76.1	79.0	85.5	90.8	94.7	95.9	97.0	98.5	98.7	99.4	99.5	99.6	99.6	99.6	99.6	99.6
GE 900	76.1	79.0	85.5	90.8	94.7	95.9	97.2	98.6	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8
GE 800	76.1	79.0	85.5	90.8	94.7	95.9	97.2	98.6	98.8	99.5	99.6	99.8	99.8	99.8	99.8	99.8
GE 700	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	76.2	79.1	85.7	91.0	94.9	96.1	97.4	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.0	51.7	56.1	58.7	61.5	61.7	63.1	63.7	63.9	64.2	64.3	64.4	65.0	65.2	65.2	65.7
GE 20000	53.4	55.6	60.2	63.0	65.7	66.0	67.5	68.1	68.3	68.8	68.9	69.0	69.6	69.9	69.9	70.3
GE 18000	53.8	55.9	60.9	63.7	66.4	66.7	68.2	68.8	69.0	69.5	69.6	69.7	70.3	70.6	70.6	71.0
GE 16000	53.9	56.0	61.0	63.8	66.5	66.8	68.3	68.9	69.1	69.6	69.7	69.9	70.4	70.7	70.7	71.2
GE 14000	57.0	59.3	64.3	67.1	69.9	70.1	71.9	72.5	72.7	73.2	73.3	73.4	74.0	74.2	74.2	74.7
GE 12000	59.7	62.2	67.3	70.1	72.8	73.4	75.2	76.0	76.2	76.7	76.8	77.0	77.5	77.8	77.8	78.3
GE 10000	62.1	64.7	70.0	72.8	75.5	76.1	77.9	78.7	79.0	79.4	79.6	79.7	80.3	80.5	80.5	81.0
GE 9000	62.9	65.5	70.8	73.6	76.4	77.0	78.7	79.6	79.8	80.3	80.4	80.5	81.1	81.3	81.3	81.8
GE 8000	66.0	69.0	74.5	77.4	80.1	80.7	82.5	83.3	83.6	84.0	84.2	84.3	84.9	85.1	85.1	85.6
GE 7000	67.0	70.2	75.7	78.6	81.3	81.9	83.7	84.5	84.8	85.2	85.3	85.5	86.1	86.3	86.3	86.8
GE 6000	67.3	70.4	76.0	79.0	81.7	82.3	84.0	84.9	85.1	85.6	85.7	85.8	86.4	86.6	86.6	87.1
GE 5000	68.7	72.0	77.8	80.9	83.9	84.5	86.3	87.1	87.4	87.8	87.9	88.1	88.7	88.9	88.9	89.4
GE 4500	69.4	72.7	78.5	81.6	84.6	85.3	87.4	88.2	88.4	88.9	89.0	89.1	89.7	90.0	90.0	90.4
GE 4000	71.0	74.3	80.4	83.5	86.5	87.2	89.2	90.1	90.3	90.8	90.9	91.0	91.6	91.8	91.8	92.3
GE 3500	72.3	75.7	81.7	84.8	87.8	88.5	90.5	91.4	91.6	92.1	92.2	92.3	92.9	93.1	93.1	93.6
GE 3000	73.9	77.3	83.8	87.0	90.2	90.9	92.9	93.7	94.0	94.4	94.6	94.7	95.3	95.5	95.5	96.0
GE 2500	74.0	77.4	84.0	87.4	90.5	91.3	93.3	94.1	94.3	94.8	94.9	95.0	95.6	95.9	95.9	96.3
GE 2000	74.8	78.3	84.9	88.2	91.4	92.1	94.1	94.9	95.2	95.6	95.7	96.0	96.6	96.8	96.8	97.3
GE 1800	74.8	78.3	84.9	88.2	91.4	92.1	94.1	94.9	95.2	95.6	95.7	96.0	96.6	96.8	96.8	97.3
GE 1500	75.1	78.5	85.2	88.5	91.7	92.4	94.4	95.3	95.5	96.0	96.1	96.3	96.9	97.2	97.2	97.6
GE 1200	75.2	78.6	85.3	88.7	91.8	92.6	94.6	95.4	95.6	96.1	96.2	96.5	97.0	97.3	97.3	97.8
GE 1000	75.3	78.7	85.5	89.0	92.3	93.0	95.0	95.9	96.1	96.6	96.7	96.9	97.5	97.8	97.8	98.2
GE 900	75.3	78.7	85.5	89.0	92.3	93.0	95.0	95.9	96.1	96.6	96.7	96.9	97.5	97.8	97.8	98.2
GE 800	75.3	78.7	85.5	89.0	92.4	93.1	95.2	96.0	96.2	96.7	96.8	97.0	97.6	97.9	97.9	98.3
GE 700	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	97.9	98.1	98.1	98.6
GE 600	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	97.9	98.1	98.1	98.6
GE 500	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	97.9	98.1	98.1	98.6
GE 400	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	97.9	98.1	98.2	98.7
GE 300	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	98.0	98.2	98.5	99.1
GE 200	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	98.1	98.3	98.6	99.4
GE 100	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	98.1	98.3	98.6	100.0
GE 000	75.4	78.8	85.6	89.1	92.7	93.4	95.4	96.2	96.5	96.9	97.0	97.3	98.1	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.9	41.2	45.8	48.8	52.5	53.4	55.0	56.1	56.3	56.9	57.3	57.4	58.0	58.1	58.4	59.0
GE 20000	44.1	46.8	52.1	55.7	60.2	61.2	63.1	64.3	64.6	65.3	65.7	65.8	66.4	66.6	66.9	67.5
GE 18000	44.6	47.3	52.7	56.3	60.9	61.9	63.8	65.0	65.3	66.0	66.4	66.5	67.1	67.3	67.6	68.3
GE 16000	44.7	47.4	52.8	56.5	61.1	62.1	64.0	65.2	65.5	66.2	66.6	66.7	67.3	67.5	67.8	68.5
GE 14000	46.7	49.6	55.2	58.9	63.6	64.6	66.6	67.8	68.1	68.9	69.3	69.4	70.0	70.2	70.5	71.2
GE 12000	48.2	51.1	56.9	60.7	65.6	66.8	68.9	70.1	70.4	71.2	71.6	71.7	72.3	72.5	72.8	73.5
GE 10000	50.3	53.4	59.4	63.5	68.6	69.8	71.8	73.3	73.5	74.3	74.7	74.8	75.5	75.7	76.0	76.6
GE 9000	50.9	54.0	60.0	64.1	69.2	70.5	72.5	74.0	74.2	75.0	75.4	75.5	76.2	76.3	76.7	77.3
GE 8000	53.6	56.8	63.1	67.3	72.5	73.7	75.9	77.3	77.6	78.4	78.8	78.9	79.5	79.7	80.0	80.7
GE 7000	54.6	57.9	64.2	68.5	73.8	75.0	77.2	78.6	78.9	79.7	80.1	80.2	80.9	81.0	81.4	82.0
GE 6000	55.0	58.4	64.8	69.1	74.4	75.7	77.8	79.3	79.5	80.3	80.8	80.9	81.5	81.7	82.0	82.6
GE 5000	56.0	59.5	66.1	70.4	76.0	77.3	79.5	80.9	81.2	82.0	82.4	82.5	83.1	83.3	83.6	84.3
GE 4500	57.0	60.5	67.1	71.6	77.2	78.5	80.8	82.2	82.5	83.3	83.7	83.8	84.4	84.6	84.9	85.6
GE 4000	59.2	62.7	69.5	74.0	79.7	81.0	83.4	84.8	85.1	85.9	86.4	86.5	87.1	87.3	87.6	88.3
GE 3500	60.4	64.0	70.8	75.5	81.3	82.6	85.0	86.4	86.7	87.6	88.0	88.1	88.7	88.9	89.2	89.9
GE 3000	62.5	66.2	73.4	78.3	84.3	85.6	88.1	89.5	89.8	90.7	91.1	91.2	91.9	92.1	92.4	93.0
GE 2500	62.9	66.7	74.0	78.9	85.0	86.3	88.8	90.2	90.5	91.4	91.9	91.9	92.6	92.8	93.1	93.7
GE 2000	63.4	67.2	74.5	79.6	85.7	87.0	89.5	91.0	91.2	92.1	92.6	92.7	93.3	93.5	93.8	94.5
GE 1800	63.5	67.3	74.6	79.6	85.7	87.1	89.6	91.0	91.3	92.2	92.7	92.8	93.4	93.6	93.9	94.5
GE 1500	63.6	67.4	74.8	79.9	86.0	87.4	89.9	91.4	91.7	92.6	93.0	93.1	93.8	93.9	94.3	94.9
GE 1200	63.8	67.6	74.9	80.0	86.2	87.6	90.1	91.6	91.9	92.8	93.2	93.3	94.0	94.2	94.5	95.1
GE 1000	63.9	67.7	75.1	80.2	86.5	87.9	90.5	92.0	92.3	93.2	93.7	93.8	94.4	94.6	94.9	95.6
GE 900	63.9	67.8	75.2	80.3	86.6	88.0	90.7	92.2	92.5	93.4	93.8	93.9	94.6	94.8	95.1	95.7
GE 800	64.0	67.8	75.3	80.5	86.8	88.2	90.9	92.4	92.7	93.7	94.1	94.3	94.9	95.1	95.4	96.1
GE 700	64.1	67.9	75.4	80.6	87.0	88.4	91.2	92.7	93.0	94.0	94.4	94.5	95.2	95.4	95.7	96.3
GE 600	64.1	68.0	75.5	80.7	87.0	88.5	91.3	92.9	93.2	94.1	94.6	94.7	95.4	95.6	95.9	96.6
GE 500	64.1	68.0	75.5	80.7	87.1	88.5	91.4	93.0	93.4	94.5	94.9	95.1	95.7	95.9	96.2	96.9
GE 400	64.1	68.0	75.5	80.7	87.1	88.6	91.4	93.1	93.5	94.6	95.1	95.3	96.0	96.2	96.5	97.2
GE 300	64.1	68.0	75.5	80.7	87.1	88.6	91.4	93.1	93.5	94.6	95.2	95.4	96.3	96.6	97.1	97.8
GE 200	64.1	68.0	75.5	80.7	87.1	88.6	91.4	93.1	93.5	94.6	95.2	95.4	96.5	96.9	97.5	99.0
GE 100	64.1	68.0	75.5	80.7	87.1	88.6	91.4	93.1	93.5	94.6	95.2	95.5	96.5	96.9	97.6	99.9
GE 000	64.1	68.0	75.5	80.7	87.1	88.6	91.4	93.1	93.5	94.6	95.2	95.5	96.5	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.5	62.3	63.5	63.8	64.5	64.6	64.7	64.7	64.7	64.9	64.9	64.9	65.1	65.2	65.2	65.2
GE 20000	65.2	65.9	67.2	67.4	68.2	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.8	68.8	68.8
GE 18000	65.4	66.1	67.4	67.6	68.4	68.5	68.6	68.6	68.6	68.8	68.8	68.8	68.9	69.0	69.0	69.0
GE 16000	65.4	66.1	67.4	67.6	68.4	68.5	68.6	68.6	68.6	68.8	68.8	68.8	68.9	69.0	69.0	69.0
GE 14000	66.2	67.0	68.3	68.5	69.2	69.4	69.5	69.5	69.5	69.7	69.7	69.7	69.8	69.9	69.9	69.9
GE 12000	69.0	69.8	71.1	71.3	72.0	72.2	72.3	72.3	72.3	72.5	72.6	72.6	72.7	72.8	72.8	72.8
GE 10000	72.8	73.5	74.8	75.1	75.8	75.9	76.0	76.0	76.0	76.2	76.3	76.3	76.5	76.6	76.6	76.6
GE 9000	73.4	74.2	75.5	75.7	76.5	76.6	76.7	76.7	76.7	76.9	77.0	77.0	77.1	77.2	77.2	77.2
GE 8000	77.0	77.7	79.0	79.4	80.1	80.3	80.5	80.6	80.6	80.9	81.0	81.0	81.1	81.2	81.2	81.2
GE 7000	77.5	78.3	79.6	79.9	80.6	80.9	81.1	81.2	81.2	81.4	81.5	81.5	81.6	81.7	81.7	81.7
GE 6000	78.0	78.7	80.0	80.3	81.1	81.3	81.5	81.6	81.6	81.8	81.9	81.9	82.0	82.2	82.2	82.2
GE 5000	79.8	80.5	82.3	82.6	83.3	83.5	83.8	83.9	83.9	84.1	84.2	84.2	84.3	84.4	84.4	84.4
GE 4500	81.5	82.6	84.3	84.7	85.5	85.7	85.9	86.0	86.0	86.2	86.3	86.3	86.5	86.6	86.6	86.6
GE 4000	85.4	86.5	88.3	88.8	89.7	89.9	90.1	90.3	90.3	90.5	90.6	90.6	90.8	90.9	90.9	90.9
GE 3500	87.1	88.3	90.2	91.1	92.0	92.3	92.5	92.7	92.7	92.9	93.1	93.1	93.2	93.3	93.3	93.3
GE 3000	90.1	91.5	93.8	94.7	96.0	96.2	96.5	96.7	96.7	96.9	97.1	97.1	97.2	97.3	97.3	97.3
GE 2500	90.2	91.6	94.1	95.1	96.5	96.7	96.9	97.1	97.1	97.3	97.5	97.5	97.6	97.7	97.7	97.7
GE 2000	90.3	91.7	94.2	95.2	96.6	96.8	97.0	97.2	97.2	97.4	97.6	97.6	97.7	97.8	97.8	97.8
GE 1800	90.3	91.7	94.2	95.2	96.6	96.8	97.0	97.2	97.2	97.4	97.6	97.6	97.7	97.8	97.8	97.8
GE 1500	90.3	91.7	94.3	95.3	96.7	96.9	97.1	97.3	97.3	97.5	97.7	97.7	97.8	98.0	98.0	98.0
GE 1200	90.3	91.7	94.3	95.3	96.7	96.9	97.1	97.3	97.3	97.5	97.7	97.7	97.8	98.0	98.0	98.0
GE 1000	90.3	91.7	94.3	95.3	96.8	97.0	97.2	97.4	97.4	97.6	97.8	97.8	98.0	98.1	98.1	98.1
GE 900	90.3	91.7	94.3	95.3	96.8	97.0	97.2	97.4	97.4	97.6	97.8	97.8	98.0	98.1	98.1	98.1
GE 800	90.3	91.7	94.3	95.3	96.8	97.1	97.3	97.5	97.5	97.7	98.0	98.0	98.1	98.2	98.2	98.2
GE 700	90.3	91.7	94.3	95.3	96.8	97.1	97.3	97.5	97.5	97.7	98.1	98.1	98.2	98.3	98.3	98.3
GE 600	90.3	91.7	94.4	95.4	96.9	97.2	97.5	97.7	97.7	98.0	98.3	98.3	98.4	98.5	98.5	98.5
GE 500	90.3	91.7	94.4	95.4	96.9	97.2	97.5	97.8	97.8	98.1	98.4	98.4	98.5	98.7	98.7	98.7
GE 400	90.3	91.7	94.5	95.5	97.0	97.3	97.6	98.0	98.0	98.2	98.6	98.6	98.7	98.9	98.9	98.9
GE 300	90.3	91.7	94.5	95.5	97.0	97.3	97.6	98.0	98.0	98.2	98.6	98.6	98.7	98.9	98.9	98.9
GE 200	90.3	91.7	94.5	95.5	97.0	97.3	97.6	98.0	98.0	98.2	98.6	98.6	98.7	98.9	98.9	98.9
GE 100	90.3	91.7	94.5	95.5	97.0	97.3	97.6	98.0	98.0	98.2	98.6	98.6	98.7	99.0	99.0	99.5
GE 000	90.3	91.7	94.5	95.5	97.0	97.3	97.6	98.0	98.0	98.2	98.6	98.6	98.7	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	57.4	58.5	59.2	59.6	59.6	60.1	60.4	60.4	60.9	61.1	61.2	61.3	61.4	61.6	62.2
GE 20000	59.9	61.6	62.7	63.4	64.1	64.1	64.6	64.9	64.9	65.4	65.6	65.7	65.8	65.9	66.2	66.8
GE 18000	60.0	61.7	62.8	63.5	64.2	64.2	64.7	65.1	65.1	65.5	65.7	65.8	65.9	66.0	66.3	66.9
GE 16000	60.1	61.8	62.9	63.7	64.3	64.3	64.8	65.2	65.2	65.6	65.8	65.9	66.0	66.1	66.5	67.0
GE 14000	60.6	62.4	63.5	64.3	64.9	64.9	65.5	65.8	65.8	66.2	66.5	66.6	66.7	66.8	67.1	67.6
GE 12000	63.5	65.3	66.5	67.2	67.8	67.8	68.4	68.7	68.7	69.2	69.5	69.6	69.7	69.8	70.1	70.6
GE 10000	67.4	69.1	70.3	71.1	71.7	71.7	72.3	72.6	72.6	73.1	73.3	73.4	73.5	73.7	74.0	74.5
GE 9000	68.6	70.3	71.5	72.3	72.9	72.9	73.4	73.8	73.8	74.3	74.5	74.6	74.7	74.8	75.2	75.7
GE 8000	72.8	74.5	75.7	76.5	77.1	77.2	77.7	78.1	78.1	78.6	78.8	78.9	79.0	79.1	79.5	80.0
GE 7000	73.7	75.4	76.6	77.3	78.0	78.1	78.8	79.1	79.1	79.7	79.9	80.0	80.1	80.2	80.5	81.1
GE 6000	74.3	76.0	77.2	78.0	78.6	78.7	79.5	79.8	79.8	80.3	80.5	80.6	80.8	80.9	81.2	81.7
GE 5000	76.8	78.6	79.9	80.6	81.3	81.4	82.2	82.5	82.5	83.0	83.2	83.3	83.4	83.5	83.9	84.4
GE 4500	79.4	81.2	82.7	83.8	84.4	84.5	85.3	85.6	85.6	86.1	86.3	86.5	86.6	86.7	87.0	87.5
GE 4000	82.4	84.4	86.0	87.1	87.7	87.8	88.6	88.9	88.9	89.5	89.7	89.8	89.9	90.0	90.3	90.9
GE 3500	84.7	86.8	88.6	89.8	90.4	90.5	91.3	91.6	91.6	92.2	92.4	92.5	92.6	92.7	93.0	93.5
GE 3000	86.8	88.9	90.9	92.3	93.2	93.3	94.2	94.5	94.5	95.1	95.3	95.4	95.5	95.6	95.9	96.5
GE 2500	87.0	89.1	91.1	92.5	93.4	93.5	94.4	94.7	94.7	95.3	95.5	95.6	95.7	95.8	96.1	96.7
GE 2000	87.1	89.2	91.2	92.6	93.5	93.7	94.5	94.8	94.8	95.4	95.6	95.7	95.8	95.9	96.2	96.8
GE 1800	87.1	89.2	91.4	92.8	93.8	93.9	94.7	95.1	95.1	95.6	95.8	95.9	96.0	96.1	96.5	97.0
GE 1500	87.1	89.2	91.5	93.1	94.1	94.2	95.1	95.4	95.4	95.9	96.1	96.2	96.3	96.5	96.8	97.3
GE 1200	87.1	89.2	91.5	93.1	94.1	94.2	95.1	95.4	95.4	95.9	96.1	96.2	96.3	96.5	96.8	97.3
GE 1000	87.1	89.2	91.5	93.2	94.3	94.4	95.3	95.6	95.6	96.1	96.3	96.5	96.6	96.7	97.0	97.5
GE 900	87.1	89.2	91.5	93.2	94.3	94.4	95.3	95.6	95.6	96.1	96.3	96.5	96.6	96.7	97.0	97.5
GE 800	87.1	89.2	91.5	93.2	94.3	94.4	95.3	95.6	95.6	96.1	96.5	96.7	96.8	96.9	97.2	97.7
GE 700	87.1	89.2	91.5	93.2	94.3	94.4	95.3	95.6	95.6	96.1	96.7	96.9	97.0	97.1	97.4	98.0
GE 600	87.1	89.2	91.5	93.2	94.3	94.4	95.3	95.6	95.6	96.1	96.9	97.1	97.2	97.3	97.6	98.2
GE 500	87.1	89.2	91.5	93.2	94.4	94.5	95.5	95.9	95.9	96.5	97.2	97.4	97.5	97.6	98.0	98.5
GE 400	87.1	89.2	91.5	93.2	94.4	94.5	95.5	95.9	95.9	96.5	97.2	97.4	97.5	97.6	98.0	98.6
GE 300	87.1	89.2	91.5	93.2	94.4	94.5	95.5	95.9	95.9	96.5	97.2	97.4	97.6	97.7	98.1	98.7
GE 200	87.1	89.2	91.5	93.2	94.4	94.5	95.5	95.9	95.9	96.5	97.2	97.4	97.6	97.7	98.2	99.0
GE 100	87.1	89.2	91.5	93.2	94.4	94.5	95.5	95.9	95.9	96.5	97.2	97.4	97.6	97.7	98.2	99.6
GE 000	87.1	89.2	91.5	93.2	94.4	94.5	95.5	95.9	95.9	96.5	97.2	97.4	97.6	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.3	46.9	50.1	51.7	54.4	54.5	55.5	56.3	56.7	57.2	57.5	57.7	58.1	58.2	58.8	59.2
GE 20000	48.6	51.2	54.4	56.1	58.9	59.0	60.0	60.9	61.3	62.0	62.4	62.6	63.0	63.1	63.8	64.2
GE 18000	49.2	51.8	55.1	56.8	59.6	59.7	60.6	61.5	61.9	62.7	63.0	63.2	63.7	63.8	64.4	64.8
GE 16000	49.2	51.8	55.1	56.8	59.6	59.7	60.6	61.5	61.9	62.7	63.0	63.2	63.7	63.8	64.4	64.8
GE 14000	50.2	52.8	56.1	58.0	60.8	61.0	62.0	62.9	63.3	64.1	64.4	64.6	65.1	65.2	65.8	66.2
GE 12000	52.7	55.3	58.6	60.4	63.4	63.7	64.8	65.7	66.1	66.9	67.2	67.4	67.8	68.0	68.6	69.0
GE 10000	56.8	59.4	62.8	64.8	67.8	68.1	69.2	70.1	70.5	71.3	71.6	71.8	72.3	72.4	73.0	73.4
GE 9000	57.3	59.9	63.4	65.5	68.5	68.7	69.9	70.8	71.2	71.9	72.3	72.5	72.9	73.0	73.7	74.1
GE 8000	61.3	64.0	67.7	70.0	73.2	73.4	74.6	75.5	75.9	76.8	77.1	77.3	77.7	77.8	78.5	78.9
GE 7000	62.4	65.1	68.9	71.3	74.6	74.8	76.1	77.0	77.4	78.3	78.6	78.8	79.2	79.4	80.0	80.4
GE 6000	63.2	66.1	70.0	72.4	75.9	76.1	77.4	78.3	78.7	79.6	79.9	80.1	80.5	80.6	81.3	81.7
GE 5000	65.8	68.8	72.9	75.4	79.0	79.2	80.5	81.4	81.8	82.7	83.1	83.3	83.8	83.9	84.5	84.9
GE 4500	67.2	70.2	74.4	77.0	80.8	81.0	82.3	83.1	83.5	84.4	84.8	85.1	85.5	85.6	86.2	86.7
GE 4000	69.7	72.8	77.4	80.4	84.4	84.6	85.9	86.8	87.2	88.1	88.5	88.7	89.2	89.4	90.0	90.4
GE 3500	71.5	74.7	79.6	82.6	86.6	86.8	88.1	88.9	89.4	90.2	90.6	90.9	91.4	91.5	92.2	92.6
GE 3000	73.4	76.7	81.7	84.8	89.0	89.2	90.5	91.4	91.8	92.7	93.1	93.3	93.9	94.0	94.6	95.1
GE 2500	73.9	77.2	82.6	85.8	90.0	90.2	91.5	92.4	92.8	93.7	94.1	94.3	94.8	94.9	95.6	96.0
GE 2000	74.0	77.3	82.8	86.0	90.2	90.4	91.8	92.8	93.2	94.1	94.5	94.7	95.3	95.4	96.0	96.5
GE 1800	74.0	77.3	82.9	86.1	90.3	90.5	91.9	92.9	93.3	94.2	94.6	94.8	95.4	95.5	96.1	96.6
GE 1500	74.0	77.4	83.1	86.3	90.6	90.9	92.3	93.3	93.8	94.6	95.1	95.3	95.8	95.9	96.6	97.0
GE 1200	74.1	77.5	83.3	86.6	90.9	91.1	92.5	93.5	94.0	94.9	95.4	95.6	96.1	96.2	96.9	97.3
GE 1000	74.3	77.7	83.5	86.8	91.1	91.3	92.7	93.8	94.2	95.2	95.6	95.8	96.3	96.5	97.1	97.5
GE 900	74.3	77.7	83.5	86.8	91.1	91.3	92.7	93.8	94.2	95.2	95.6	95.8	96.3	96.5	97.1	97.5
GE 800	74.4	77.8	83.7	86.9	91.2	91.4	92.8	93.9	94.3	95.3	95.9	96.1	96.7	96.8	97.4	97.8
GE 700	74.4	77.8	83.7	86.9	91.2	91.4	92.8	93.9	94.3	95.4	96.0	96.2	96.8	96.9	97.5	98.0
GE 600	74.4	77.8	83.7	86.9	91.2	91.4	92.8	93.9	94.4	95.5	96.2	96.5	97.0	97.1	97.7	98.2
GE 500	74.4	77.8	83.7	86.9	91.2	91.4	92.8	93.9	94.4	95.5	96.2	96.5	97.0	97.1	97.7	98.2
GE 400	74.4	78.0	83.8	87.0	91.3	91.5	92.9	94.0	94.5	95.6	96.3	96.6	97.1	97.2	97.8	98.3
GE 300	74.4	78.0	83.8	87.0	91.3	91.5	92.9	94.0	94.5	95.6	96.3	96.6	97.1	97.2	97.8	98.3
GE 200	74.4	78.0	83.8	87.0	91.3	91.5	92.9	94.0	94.5	95.6	96.3	96.6	97.2	97.5	98.2	98.8
GE 100	74.4	78.0	83.8	87.0	91.3	91.5	92.9	94.0	94.5	95.6	96.3	96.6	97.2	97.5	98.2	99.9
GE 000	74.4	78.0	83.8	87.0	91.3	91.5	92.9	94.0	94.5	95.6	96.3	96.6	97.2	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.9	49.7	53.1	54.5	55.5	56.1	56.2	56.5	56.5	56.5	56.6	56.7	56.7	56.8	56.8	56.9
GE 20000	54.9	57.8	61.3	62.7	63.9	64.7	64.8	65.1	65.1	65.1	65.2	65.3	65.3	65.4	65.4	65.5
GE 18000	55.3	58.2	61.7	63.2	64.4	65.3	65.4	65.6	65.6	65.6	65.7	65.8	65.8	65.9	65.9	66.0
GE 16000	55.8	58.7	62.3	63.8	64.9	65.8	65.9	66.1	66.1	66.1	66.2	66.3	66.3	66.5	66.5	66.6
GE 14000	56.9	59.8	63.3	64.9	66.3	67.4	67.5	67.7	67.7	67.7	67.8	68.0	68.0	68.1	68.1	68.2
GE 12000	58.5	61.5	65.2	66.8	68.2	69.2	69.4	69.6	69.6	69.6	69.7	69.8	69.8	69.9	69.9	70.0
GE 10000	62.3	65.3	69.0	71.0	72.5	73.5	73.7	73.9	73.9	73.9	74.0	74.1	74.1	74.2	74.2	74.3
GE 9000	62.7	65.7	69.5	71.4	73.0	74.1	74.2	74.4	74.4	74.4	74.5	74.6	74.6	74.7	74.7	74.8
GE 8000	67.3	70.4	74.2	76.2	78.1	79.1	79.2	79.5	79.5	79.5	79.6	79.7	79.7	79.8	79.8	79.9
GE 7000	67.7	70.9	74.7	76.8	78.7	79.8	79.9	80.1	80.1	80.1	80.2	80.3	80.3	80.4	80.4	80.5
GE 6000	68.6	71.7	75.6	77.6	79.6	80.6	80.8	81.0	81.0	81.0	81.1	81.2	81.2	81.3	81.3	81.4
GE 5000	70.6	73.8	77.7	79.8	81.9	83.0	83.1	83.3	83.3	83.3	83.4	83.5	83.5	83.7	83.7	83.8
GE 4500	71.3	74.4	78.4	80.4	82.8	83.9	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.5	84.5	84.6
GE 4000	74.0	77.1	81.1	83.4	85.9	87.0	87.1	87.3	87.3	87.3	87.4	87.5	87.5	87.6	87.6	87.7
GE 3500	75.9	79.1	83.2	85.9	88.5	89.6	89.8	90.1	90.1	90.1	90.2	90.3	90.3	90.4	90.4	90.5
GE 3000	78.2	81.6	85.9	88.8	91.8	93.0	93.2	93.5	93.5	93.5	93.7	93.8	93.8	93.9	93.9	94.0
GE 2500	77.5	81.9	86.2	89.1	92.2	93.4	93.7	94.0	94.0	94.0	94.1	94.2	94.2	94.3	94.3	94.4
GE 2000	79.0	82.5	86.8	89.8	92.8	94.1	94.4	94.7	94.7	94.7	94.8	94.9	94.9	95.1	95.1	95.2
GE 1800	79.1	82.6	86.9	89.9	92.9	94.2	94.5	94.8	94.8	94.8	94.9	95.1	95.1	95.2	95.2	95.3
GE 1500	79.8	83.3	87.8	90.9	93.9	95.2	95.5	95.8	95.8	95.8	95.9	96.0	96.0	96.1	96.1	96.2
GE 1200	80.1	83.8	88.3	91.3	94.4	95.7	96.0	96.3	96.3	96.3	96.5	96.6	96.6	96.7	96.7	96.8
GE 1000	80.5	84.2	88.7	91.7	94.9	96.2	96.7	97.0	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.4
GE 900	80.6	84.3	88.9	91.9	95.3	96.6	97.1	97.4	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8
GE 800	80.6	84.4	89.0	92.2	95.5	96.8	97.3	97.6	97.6	97.6	97.7	97.8	97.8	98.0	98.0	98.1
GE 700	80.6	84.4	89.0	92.3	95.6	96.9	97.4	97.7	97.7	97.7	97.8	98.0	98.0	98.1	98.1	98.2
GE 600	80.8	84.6	89.2	92.5	95.9	97.2	97.7	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.7
GE 500	80.8	84.7	89.4	92.6	96.0	97.3	97.8	98.3	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.8
GE 400	80.8	84.7	89.4	92.6	96.1	97.4	98.0	98.4	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.9
GE 300	80.8	84.7	89.4	92.6	96.1	97.5	98.1	98.5	98.6	98.6	98.8	98.9	98.9	99.1	99.1	99.2
GE 200	80.8	84.7	89.4	92.6	96.1	97.5	98.1	98.6	98.8	98.8	99.0	99.1	99.2	99.5	99.5	99.7
GE 100	80.8	84.7	89.4	92.6	96.1	97.5	98.1	98.6	98.8	98.8	99.0	99.1	99.2	99.5	99.6	100.0
GE 000	80.8	84.7	89.4	92.6	96.1	97.5	98.1	98.6	98.8	98.8	99.0	99.1	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.5	51.8	53.5	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 20000	60.5	64.1	66.1	67.3	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	60.9	64.4	66.7	67.8	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 16000	61.3	64.8	67.1	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 14000	62.4	65.9	68.2	69.5	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 12000	64.6	68.2	70.4	71.7	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 10000	67.5	71.1	73.3	74.8	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 9000	68.1	71.6	73.9	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 8000	71.4	75.2	77.5	79.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 7000	72.5	76.2	78.7	80.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	72.7	76.5	78.9	80.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 5000	73.9	77.6	80.1	81.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4500	75.1	78.9	81.4	82.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4000	76.7	80.5	83.3	85.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3500	79.6	83.5	86.3	88.1	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3000	84.6	88.9	91.9	93.8	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2500	85.3	89.6	92.6	94.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	86.0	90.4	93.7	95.7	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	86.0	90.4	93.8	96.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	86.3	90.8	94.2	96.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	86.5	90.9	94.4	96.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	86.8	91.2	94.8	97.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	86.8	91.2	94.8	97.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	86.8	91.2	94.8	97.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	86.8	91.2	94.8	97.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.8	91.2	94.8	97.1	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	51.3	52.6	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 20000	61.8	64.8	66.3	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 18000	62.4	65.4	66.9	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 16000	62.9	65.9	67.4	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 14000	64.4	67.6	69.2	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	66.9	70.1	71.7	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 10000	70.2	73.4	75.1	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 9000	70.6	73.9	75.5	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 8000	74.1	77.4	79.0	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	74.9	78.4	80.1	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 6000	75.2	78.8	80.5	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 5000	76.7	80.3	82.0	84.0	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 4500	77.3	81.1	82.8	84.7	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	79.9	83.8	85.8	87.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3500	82.7	86.6	88.6	90.5	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	86.5	90.3	92.7	94.8	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	88.0	91.9	94.4	96.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	88.1	92.0	94.7	96.9	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	88.1	92.0	94.7	96.9	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	88.4	92.4	95.1	97.4	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	88.5	92.5	95.3	97.6	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	88.6	92.6	95.4	97.7	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	88.6	92.6	95.4	97.7	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	88.6	92.6	95.4	97.7	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.8	92.8	95.6	98.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.9	56.6	57.7	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 20000	65.8	68.0	69.1	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 18000	66.1	68.3	69.5	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 16000	66.3	68.5	69.7	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 14000	68.0	70.3	71.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 12000	70.0	72.4	74.0	74.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	73.5	75.9	77.7	78.8	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 9000	73.5	75.9	77.7	78.8	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 8000	76.6	78.9	80.8	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 7000	77.7	80.1	81.9	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 6000	77.8	80.2	82.0	83.1	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	80.3	82.8	84.7	85.8	86.5	86.5	86.5	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 4500	82.4	84.8	86.8	88.0	88.6	88.6	88.6	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	85.1	87.6	89.7	90.9	91.8	91.8	91.8	91.9	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2
GE 3500	86.3	88.9	91.1	92.4	93.3	93.3	93.3	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	89.9	92.7	95.4	96.7	97.7	97.8	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	90.8	93.5	96.2	97.7	98.8	99.0	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.0	93.8	95.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.0	93.8	96.7	98.3	99.5	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.3	61.6	62.7	63.4	63.5	63.7	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 20000	69.1	69.6	70.6	71.4	71.5	71.6	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 18000	69.2	69.7	70.8	71.5	71.6	71.7	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 16000	69.6	70.0	71.1	71.8	71.9	72.0	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 14000	71.1	71.5	72.6	73.3	73.4	73.5	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 12000	72.6	73.0	74.1	74.8	74.9	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 10000	76.7	77.1	78.4	79.1	79.2	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 9000	76.8	77.2	78.5	79.2	79.4	79.5	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 8000	80.6	81.1	82.6	83.3	83.4	83.5	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 7000	81.1	81.5	83.0	83.8	83.9	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 6000	81.2	81.6	83.1	83.9	84.0	84.1	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 5000	84.0	84.4	85.9	86.7	86.8	86.9	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 4500	84.4	85.1	86.9	87.6	87.7	87.8	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 4000	87.8	88.5	90.6	91.6	91.7	91.8	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 3500	90.0	90.6	92.8	93.9	94.0	94.1	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	92.6	93.3	96.0	97.1	97.3	97.4	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	93.4	94.2	96.9	98.0	98.2	98.3	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	93.5	94.3	97.0	98.1	98.3	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	93.5	94.3	97.0	98.1	98.5	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	93.8	94.5	97.2	98.3	98.8	98.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.8	94.5	97.2	98.3	98.8	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.7	54.7	56.5	57.5	58.2	58.4	58.6	58.8	58.9	59.0	59.1	59.2	59.2	59.3	59.4	59.5
GE 20000	60.7	62.9	64.7	65.8	66.7	66.8	67.1	67.3	67.4	67.5	67.6	67.7	67.7	67.8	67.9	68.1
GE 18000	61.1	63.2	65.1	66.2	67.0	67.2	67.5	67.7	67.7	67.9	68.0	68.0	68.1	68.2	68.3	68.4
GE 16000	61.3	63.5	65.4	66.4	67.3	67.5	67.7	67.9	68.0	68.2	68.3	68.3	68.4	68.4	68.6	68.7
GE 14000	62.5	64.7	66.6	67.7	68.7	68.9	69.2	69.4	69.4	69.6	69.7	69.7	69.8	69.9	70.0	70.1
GE 12000	64.7	66.9	68.9	70.1	71.0	71.2	71.5	71.7	71.8	72.0	72.1	72.1	72.2	72.3	72.4	72.5
GE 10000	68.4	70.6	72.7	74.0	74.9	75.1	75.4	75.6	75.7	75.9	76.0	76.0	76.1	76.2	76.3	76.4
GE 9000	68.9	71.1	73.2	74.4	75.4	75.6	75.9	76.1	76.2	76.4	76.5	76.5	76.6	76.7	76.8	76.9
GE 8000	72.6	74.9	77.1	78.4	79.5	79.8	80.1	80.3	80.3	80.6	80.6	80.7	80.8	80.8	81.0	81.1
GE 7000	73.4	75.7	77.9	79.3	80.5	80.7	81.0	81.3	81.3	81.5	81.6	81.7	81.7	81.8	81.9	82.1
GE 6000	73.9	76.2	78.4	79.8	81.0	81.2	81.5	81.8	81.8	82.0	82.1	82.2	82.3	82.3	82.4	82.6
GE 5000	76.0	78.4	80.7	82.1	83.3	83.6	83.9	84.2	84.2	84.4	84.6	84.6	84.7	84.8	84.9	85.0
GE 4500	77.3	79.8	82.2	83.6	85.0	85.2	85.6	85.8	85.9	86.1	86.2	86.3	86.3	86.4	86.5	86.7
GE 4000	80.1	82.6	85.3	86.9	88.3	88.6	88.9	89.2	89.3	89.5	89.6	89.7	89.7	89.8	89.9	90.1
GE 3500	82.2	84.8	87.6	89.3	90.8	91.0	91.4	91.7	91.7	92.0	92.1	92.2	92.2	92.3	92.4	92.6
GE 3000	85.3	88.0	91.0	92.9	94.6	94.9	95.3	95.6	95.7	95.9	96.0	96.1	96.2	96.2	96.3	96.5
GE 2500	85.9	88.6	91.8	93.7	95.4	95.8	96.1	96.5	96.5	96.7	96.9	96.9	97.0	97.1	97.2	97.3
GE 2000	86.1	88.9	92.1	94.1	95.8	96.2	96.6	96.9	96.9	97.2	97.3	97.4	97.4	97.5	97.6	97.8
GE 1800	86.1	88.9	92.2	94.2	96.0	96.3	96.7	97.0	97.1	97.3	97.4	97.5	97.6	97.6	97.7	97.9
GE 1500	86.3	89.1	92.5	94.5	96.4	96.7	97.1	97.5	97.5	97.7	97.9	97.9	98.0	98.1	98.2	98.3
GE 1200	86.4	89.2	92.6	94.6	96.5	96.9	97.3	97.6	97.7	97.9	98.0	98.1	98.2	98.2	98.4	98.5
GE 1000	86.5	89.4	92.8	94.8	96.8	97.1	97.5	97.9	97.9	98.2	98.3	98.4	98.5	98.5	98.6	98.8
GE 900	86.6	89.4	92.8	94.8	96.8	97.1	97.6	97.9	98.0	98.2	98.4	98.4	98.5	98.6	98.7	98.8
GE 800	86.6	89.4	92.8	94.9	96.9	97.2	97.6	98.0	98.1	98.3	98.5	98.5	98.6	98.7	98.8	98.9
GE 700	86.6	89.4	92.8	94.9	96.9	97.2	97.7	98.0	98.1	98.3	98.5	98.6	98.7	98.8	98.9	99.0
GE 600	86.6	89.5	92.9	94.9	96.9	97.3	97.8	98.1	98.2	98.5	98.7	98.8	98.9	98.9	99.0	99.2
GE 500	86.6	89.5	92.9	95.0	97.0	97.3	97.8	98.2	98.3	98.5	98.8	98.9	99.0	99.0	99.1	99.3
GE 400	86.6	89.5	92.9	95.0	97.0	97.4	97.8	98.2	98.3	98.6	98.8	98.9	99.0	99.1	99.2	99.3
GE 300	86.6	89.5	92.9	95.0	97.0	97.4	97.9	98.3	98.3	98.6	98.9	98.9	99.0	99.1	99.2	99.4
GE 200	86.6	89.5	92.9	95.0	97.0	97.4	97.9	98.3	98.4	98.6	98.9	99.0	99.1	99.2	99.3	99.6
GE 100	86.6	89.5	92.9	95.0	97.0	97.4	97.9	98.3	98.4	98.6	98.9	99.0	99.1	99.2	99.4	99.9
GE 000	86.6	89.5	92.9	95.0	97.0	97.4	97.9	98.3	98.4	98.6	98.9	99.0	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.0	75.2	75.4	75.8	75.9	75.9	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 20000	79.8	80.0	80.2	80.6	80.7	80.7	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 18000	79.8	80.0	80.2	80.6	80.7	80.7	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 16000	80.1	80.3	80.6	80.9	81.0	81.0	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 14000	81.1	81.3	81.6	81.9	82.0	82.0	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 12000	83.1	83.3	83.6	83.9	84.0	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 10000	86.0	86.2	86.4	86.8	86.9	86.9	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 9000	86.6	86.8	87.0	87.3	87.4	87.4	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 8000	89.3	89.6	89.8	90.1	90.2	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	90.0	90.2	90.4	90.8	90.9	90.9	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	90.2	90.4	90.7	91.0	91.1	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 5000	91.8	92.0	92.2	92.6	92.7	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4500	92.1	92.3	92.6	92.9	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	94.7	94.9	95.1	95.4	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	96.2	96.4	96.8	97.1	97.2	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 3000	97.2	97.4	97.8	98.2	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2500	97.8	98.0	98.3	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	98.6	98.8	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.6	98.8	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	98.9	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.4	69.9	70.8	71.6	72.3	72.4	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1
GE 20000	75.3	75.8	76.7	77.4	78.2	78.3	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.0	79.0	79.0
GE 18000	75.3	75.8	76.7	77.4	78.2	78.3	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.0	79.0	79.0
GE 16000	75.3	75.8	76.7	77.4	78.2	78.3	78.8	78.8	78.8	78.9	78.9	78.9	78.9	79.0	79.0	79.0
GE 14000	76.2	76.7	77.6	78.3	79.1	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9
GE 12000	78.2	78.8	79.7	80.4	81.2	81.3	81.8	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0
GE 10000	81.2	81.8	82.7	83.4	84.2	84.3	84.8	84.8	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0
GE 9000	81.9	82.4	83.3	84.1	84.9	85.0	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.7
GE 8000	84.9	85.6	86.6	87.3	88.1	88.2	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9
GE 7000	85.4	86.1	87.1	87.9	88.7	88.8	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4
GE 6000	85.6	86.3	87.3	88.1	88.9	89.0	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.7	89.7	89.7
GE 5000	86.9	87.7	88.7	89.4	90.2	90.3	90.8	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0
GE 4500	87.8	88.6	89.6	90.3	91.1	91.2	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.9	91.9	91.9
GE 4000	89.9	90.7	91.7	92.4	93.2	93.3	93.8	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.0
GE 3500	92.2	93.0	94.1	94.9	95.8	95.9	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.6	96.6	96.6
GE 3000	94.1	94.9	96.0	96.9	97.8	97.9	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6
GE 2500	94.9	95.7	96.8	97.7	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
GE 2000	95.1	95.9	97.1	98.0	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 1800	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 1500	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 1200	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 1000	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 900	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 800	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 700	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 600	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 500	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 400	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 300	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 200	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 100	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 000	95.2	96.0	97.2	98.1	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.1	62.4	67.0	68.3	70.8	70.8	71.1	71.4	71.4	71.7	71.9	71.9	71.9	72.0	72.1	72.1
GE 20000	67.3	69.8	74.3	76.1	78.8	78.8	79.1	79.4	79.4	79.7	79.9	79.9	79.9	80.0	80.1	80.1
GE 18000	67.4	69.9	74.4	76.2	78.9	78.9	79.2	79.6	79.6	79.8	80.0	80.0	80.0	80.1	80.2	80.2
GE 16000	67.4	69.9	74.4	76.2	78.9	78.9	79.2	79.6	79.6	79.8	80.0	80.0	80.0	80.1	80.2	80.2
GE 14000	68.1	70.6	75.1	76.9	79.6	79.6	79.9	80.2	80.2	80.4	80.7	80.7	80.7	80.8	80.9	80.9
GE 12000	69.6	72.0	76.6	78.3	81.0	81.0	81.3	81.7	81.7	81.9	82.1	82.1	82.1	82.2	82.3	82.3
GE 10000	73.1	75.6	80.1	82.1	85.0	85.0	85.3	85.7	85.7	85.9	86.1	86.1	86.1	86.2	86.3	86.3
GE 9000	73.4	75.9	80.4	82.4	85.3	85.3	85.7	86.0	86.0	86.2	86.4	86.4	86.4	86.6	86.7	86.7
GE 8000	75.4	77.9	82.6	84.6	87.4	87.4	87.8	88.1	88.1	88.3	88.6	88.6	88.6	88.7	88.8	88.8
GE 7000	75.6	78.0	82.7	84.7	87.6	87.6	87.9	88.2	88.2	88.4	88.7	88.7	88.7	88.8	88.9	88.9
GE 6000	76.0	78.4	83.1	85.1	88.0	88.0	88.3	88.7	88.7	88.9	89.1	89.1	89.1	89.2	89.3	89.3
GE 5000	77.8	80.2	84.9	86.9	89.8	89.8	90.1	90.4	90.4	90.7	90.9	90.9	90.9	91.0	91.1	91.1
GE 4500	78.7	81.1	85.8	87.9	90.8	90.8	91.1	91.4	91.4	91.7	91.9	91.9	91.9	92.0	92.1	92.1
GE 4000	80.4	82.9	87.6	89.7	92.6	92.6	92.9	93.2	93.2	93.4	93.7	93.7	93.7	93.8	93.9	93.9
GE 3500	81.7	84.2	88.9	91.0	93.9	93.9	94.2	94.6	94.6	94.8	95.0	95.0	95.0	95.1	95.2	95.2
GE 3000	83.0	85.7	90.3	92.6	95.7	95.7	96.0	96.3	96.3	96.6	96.8	96.8	96.8	96.9	97.0	97.0
GE 2500	83.2	85.9	90.8	93.1	96.2	96.2	96.8	97.1	97.1	97.3	97.6	97.6	97.6	97.7	97.8	97.8
GE 2000	83.9	86.6	91.6	93.9	97.0	97.0	97.6	97.9	97.9	98.1	98.3	98.3	98.3	98.4	98.6	98.6
GE 1800	83.9	86.7	91.7	94.0	97.1	97.1	97.7	98.0	98.0	98.2	98.4	98.4	98.4	98.6	98.7	98.7
GE 1500	83.9	86.9	92.0	94.3	97.4	97.4	98.0	98.3	98.3	98.6	98.8	98.8	98.8	98.9	99.0	99.0
GE 1200	83.9	86.9	92.0	94.3	97.4	97.4	98.0	98.3	98.3	98.6	98.8	98.8	98.8	98.9	99.0	99.0
GE 1000	83.9	86.9	92.1	94.4	97.6	97.6	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.0	99.1	99.1
GE 900	83.9	86.9	92.1	94.4	97.6	97.6	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.0	99.1	99.1
GE 800	83.9	86.9	92.1	94.4	97.6	97.6	98.1	98.4	98.4	98.7	98.9	98.9	98.9	99.0	99.1	99.1
GE 700	84.1	87.1	92.3	94.8	98.0	98.0	98.6	98.9	98.9	99.1	99.3	99.3	99.3	99.4	99.6	99.6
GE 600	84.1	87.1	92.3	94.8	98.0	98.0	98.6	98.9	98.9	99.1	99.3	99.3	99.3	99.4	99.6	99.6
GE 500	84.1	87.1	92.3	94.8	98.0	98.0	98.6	99.0	99.0	99.2	99.4	99.4	99.4	99.6	99.7	99.7
GE 400	84.1	87.1	92.3	94.8	98.0	98.0	98.6	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.8	99.8
GE 300	84.1	87.1	92.3	94.8	98.0	98.0	98.6	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.8	99.8
GE 200	84.1	87.1	92.3	94.8	98.0	98.0	98.6	99.1	99.1	99.3	99.6	99.6	99.8	99.9	100.0	100.0
GE 100	84.1	87.1	92.3	94.8	98.0	98.0	98.6	99.1	99.1	99.3	99.6	99.6	99.8	99.9	100.0	100.0
GE 000	84.1	87.1	92.3	94.8	98.0	98.0	98.6	99.1	99.1	99.3	99.6	99.6	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.0	70.0	70.9	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 20000	75.6	78.2	79.6	80.3	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 18000	75.7	78.3	79.7	80.4	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 16000	75.7	78.3	79.7	80.4	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 14000	76.6	79.2	80.6	81.3	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 12000	78.1	80.8	82.1	82.9	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 10000	80.7	83.3	84.7	85.6	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 9000	81.3	84.1	85.4	86.3	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 8000	83.1	85.9	87.3	88.2	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 7000	83.3	86.1	87.6	88.4	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 6000	83.7	86.4	87.9	88.8	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 5000	84.7	87.4	89.0	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	85.8	88.6	90.1	91.0	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4000	87.9	90.7	92.3	93.2	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3500	88.4	91.4	93.1	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	90.2	93.2	95.1	96.0	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2500	91.3	94.3	96.3	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	92.1	95.1	97.1	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	92.1	95.1	97.1	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	92.4	95.6	97.7	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	92.7	95.8	97.9	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	92.7	95.8	97.9	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	92.7	95.8	97.9	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	92.7	95.8	97.9	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	92.9	96.0	98.2	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.9	96.0	98.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL.	68.3	69.9	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 20000	78.2	79.8	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	78.6	80.1	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	78.6	80.1	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 14000	79.1	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 12000	80.2	81.8	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 10000	82.4	84.0	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 9000	82.7	84.2	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 8000	84.4	86.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 7000	85.0	86.6	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 6000	85.2	86.8	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 5000	86.3	87.9	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 4500	86.6	88.1	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4000	89.8	91.3	92.4	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3500	90.8	92.3	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	94.8	96.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	95.7	97.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	95.8	97.6	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	95.8	97.6	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	96.0	97.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	96.0	97.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	96.0	97.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	96.0	97.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	96.0	97.8	99.0	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.2	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.1	64.1	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 20000	76.8	78.0	78.4	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 18000	77.4	78.7	79.1	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	77.4	78.7	79.1	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 14000	79.2	80.7	81.1	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 12000	80.7	82.1	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 10000	83.2	84.7	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 9000	83.3	84.8	85.2	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 8000	85.0	86.6	87.0	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 7000	85.0	86.6	87.0	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 6000	85.3	87.0	87.4	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 5000	87.0	88.8	89.3	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 4500	87.8	89.6	90.1	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 4000	91.3	93.1	93.7	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500	92.8	94.6	95.1	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	95.9	98.0	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	96.2	98.3	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	96.3	98.4	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.4	98.6	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.9	68.8	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 20000	80.1	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000	80.2	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 16000	80.2	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 14000	81.0	82.1	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	82.1	83.2	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 10000	84.8	85.9	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 9000	85.0	86.1	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 8000	87.1	88.2	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 7000	87.3	88.4	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 6000	87.9	89.0	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 5000	89.2	90.6	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 4500	90.0	91.4	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4000	93.2	94.7	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 3500	94.4	95.9	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	97.2	98.7	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	97.2	98.7	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	97.3	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	97.3	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	97.3	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	97.3	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.3	98.8	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 20000	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 18000	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 16000	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 14000	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 12000	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 10000	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 9000	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 8000	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 7000	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 5000	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4500	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3500	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 3000	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.8	69.8	70.8	71.3	71.8	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
GE 20000	76.8	78.0	79.1	79.7	80.2	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
GE 18000	77.0	78.2	79.3	79.9	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
GE 16000	77.1	78.3	79.4	80.0	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8
GE 14000	78.1	79.3	80.4	81.0	81.5	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 12000	79.6	80.9	82.0	82.5	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4
GE 10000	82.5	83.7	84.8	85.5	86.0	86.0	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 9000	82.9	84.2	85.3	85.9	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 8000	85.0	86.3	87.5	88.1	88.6	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 7000	85.3	86.6	87.8	88.4	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
GE 6000	85.7	87.0	88.2	88.8	89.3	89.3	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.7	89.7	89.7
GE 5000	87.0	88.4	89.6	90.3	90.8	90.8	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
GE 4500	87.7	89.1	90.3	91.0	91.5	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4000	90.4	91.8	93.0	93.7	94.2	94.2	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 3500	91.7	93.1	94.4	95.1	95.6	95.6	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	93.9	95.5	96.8	97.5	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4
GE 2500	94.5	96.0	97.4	98.1	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 2000	94.8	96.4	97.8	98.5	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 1800	94.9	96.4	97.8	98.5	99.1	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	94.9	96.5	98.0	98.7	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 1200	95.0	96.6	98.0	98.7	99.3	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	95.0	96.6	98.0	98.8	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.0	96.6	98.0	98.8	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.0	96.6	98.0	98.8	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.1	96.7	98.1	98.9	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 600	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	95.1	96.7	98.1	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 20000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 18000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 16000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 14000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 12000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 10000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 9000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 8000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 7000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 20000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 18000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 16000	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 14000	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 12000	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 10000	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 9000	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 8000	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 7000	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.7	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 20000	89.5	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 18000	89.7	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 16000	89.8	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 14000	90.9	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 12000	91.7	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 10000	94.8	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 9000	95.1	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 8000	96.0	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 7000	96.1	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 6000	96.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 5000	97.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4500	97.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	98.2	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 3000	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 18000	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 16000	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 14000	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 12000	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 10000	93.5	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 9000	93.5	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 8000	94.5	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	94.7	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 6000	94.7	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 5000	95.9	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 4500	96.0	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	96.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	97.0	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.2	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 20000	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 18000	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 16000	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 14000	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 12000	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 10000	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 9000	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 8000	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 7000	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 5000	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 4500	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4000	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 2500	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 20000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 18000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 16000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 14000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 12000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 10000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 9000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 8000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 7000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 6000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 5000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 20000	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 18000	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 16000	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 14000	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 12000	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 10000	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 9000	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 8000	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 7000	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 6000	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 5000	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4500	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 20000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 18000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 16000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 14000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 12000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 10000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 9000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 8000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 6000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 5000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 20000	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 18000	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 16000	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 14000	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 12000	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 10000	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 9000	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 7000	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 5000	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4500	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3000	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 20000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 18000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 16000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 14000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 12000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 10000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 9000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 20000	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 18000	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 16000	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 14000	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 12000	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 10000	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 9000	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 8000	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 6000	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 5000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.8	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 20000	91.4	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 18000	92.1	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 16000	92.1	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 14000	92.7	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 12000	94.0	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 10000	95.3	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 9000	95.3	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 8000	96.9	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 7000	97.2	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 6000	97.2	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5000	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	97.9	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4000	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	98.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	98.7	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	98.7	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	98.7	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	98.7	99.1	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.7	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.1	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 20000	94.8	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 18000	95.0	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 16000	95.0	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 14000	95.0	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 12000	95.9	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 10000	96.9	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 9000	96.9	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 8000	97.7	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 7000	97.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 6000	97.8	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 5000	98.0	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 4500	98.4	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3000	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.4	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.2	89.6	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 20000	95.7	96.0	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 18000	95.8	96.1	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 16000	95.8	96.1	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 14000	96.0	96.3	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 12000	96.7	97.0	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 10000	97.1	97.4	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 9000	97.2	97.6	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 8000	97.6	97.9	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	97.9	98.2	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 6000	97.9	98.2	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	97.9	98.2	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 4500	98.1	98.4	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4000	98.1	98.4	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	98.6	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	98.6	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	98.6	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	98.6	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	98.6	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	98.7	99.0	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.9	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 20000	95.0	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 18000	95.1	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 16000	95.2	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 14000	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 12000	96.4	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 10000	97.1	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 9000	97.4	98.1	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 8000	97.9	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 7000	98.0	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 6000	98.1	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	98.3	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4500	98.3	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	98.6	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	98.8	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 20000	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 18000	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 16000	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 14000	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 12000	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 10000	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 9000	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 7000	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 6000	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 5000	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 20000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 18000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 16000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 14000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 12000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 10000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 8000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 7000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 5000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 20000	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 18000	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 16000	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 14000	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 10000	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 9000	97.5	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 8000	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 7000	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 6000	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 5000	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 4500	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 4000	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3000	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	99.3	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 20000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 18000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 16000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 14000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 12000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 10000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 9000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 8000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 7000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 20000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 18000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 16000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 14000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 12000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 10000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 9000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 8000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 20000	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 18000	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 16000	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 14000	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 12000	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 10000	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 9000	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 8000	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 7000	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 6000	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 5000	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 4500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 20000	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 18000	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 16000	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 14000	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 12000	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 9000	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 8000	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 20000	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 18000	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 16000	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 14000	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 12000	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 10000	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 9000	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 8000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 20000	96.5	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 18000	96.6	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 16000	96.6	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 14000	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 12000	98.6	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 10000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 20000	94.6	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 18000	94.7	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 16000	94.8	95.2	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 14000	95.6	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 12000	97.8	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 10000	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 9000	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 8000	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 7000	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	99.0	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 5000	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 20000	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 18000	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 16000	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 14000	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 12000	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 10000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 9000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 8000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 20000	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 18000	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 16000	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 14000	96.5	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 12000	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 10000	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 9000	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 8000	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 7000	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 6000	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 5000	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 4500	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 20000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 18000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 16000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 12000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 10000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 9000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 20000	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 18000	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 16000	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 14000	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 12000	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 10000	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 9000	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 8000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	87.4	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 20000	89.0	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 18000	89.2	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 16000	89.2	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 14000	91.0	93.1	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 12000	94.2	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 10000	95.7	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 9000	95.7	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 8000	96.8	98.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 7000	97.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 6000	97.0	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 5000	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4500	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 4000	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3500	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2500	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 2000	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.6	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 20000	91.9	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 18000	92.3	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 16000	92.3	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 14000	93.3	94.3	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 12000	94.9	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 10000	97.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 9000	97.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 8000	97.6	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.1	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	89.0	89.5	90.1	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 20000	93.8	94.2	94.8	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 18000	94.1	94.5	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 16000	94.1	94.5	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 14000	94.7	95.3	95.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 12000	95.8	96.3	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 10000	97.5	98.1	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 9000	97.5	98.1	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 8000	98.0	98.5	99.1	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 7000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.4	98.9	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	90.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 20000	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 18000	94.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 16000	94.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 14000	95.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 12000	97.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 10000	97.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 9000	97.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 8000	98.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	98.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	92.7	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 20000	95.2	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 18000	95.4	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 16000	95.4	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 14000	96.5	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 12000	97.3	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 10000	98.3	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 9000	98.3	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 8000	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 20000	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 18000	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 16000	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 14000	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 12000	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 10000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 9000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 8000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 7000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	91.2	92.0	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 20000	93.6	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 18000	93.8	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 16000	93.8	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 14000	94.9	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 12000	96.7	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 10000	98.2	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 9000	98.2	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 8000	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 7000	98.7	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 6000	98.7	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 5000	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.8	87.1	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 20000	89.3	89.7	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 18000	89.3	89.7	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 16000	89.3	89.7	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 14000	89.8	90.1	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 12000	91.7	92.0	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 10000	93.3	93.7	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 9000	93.3	93.7	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 8000	93.7	94.0	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 7000	93.7	94.0	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 6000	94.0	94.6	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 5000	95.2	95.8	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	96.0	96.6	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	97.0	97.6	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	97.4	98.0	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.7	98.2	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	86.1	86.2	87.4	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 20000	88.8	88.9	90.1	90.4	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 18000	88.8	88.9	90.1	90.4	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 16000	88.8	88.9	90.1	90.4	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 14000	89.4	89.6	90.8	91.1	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 12000	90.8	90.9	92.1	92.4	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 10000	92.7	92.8	94.0	94.3	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 9000	92.7	92.8	94.0	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	93.9	94.0	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	93.9	94.0	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 6000	94.3	94.4	95.7	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 5000	95.2	95.3	96.6	97.2	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	96.2	96.3	97.6	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4000	97.0	97.1	98.6	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.3	97.4	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	76.1	79.8	82.6	84.1	84.8	84.8	84.8	85.0	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4
GE 20000	80.2	83.9	86.7	88.3	89.1	89.1	89.1	89.3	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 18000	80.2	83.9	86.7	88.3	89.1	89.1	89.1	89.3	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 16000	80.2	83.9	86.7	88.3	89.1	89.1	89.1	89.3	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 14000	80.8	84.4	87.2	88.9	89.7	89.7	89.7	89.9	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 12000	81.6	85.6	88.6	90.2	91.0	91.0	91.0	91.2	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7
GE 10000	84.3	88.4	91.4	93.1	94.0	94.0	94.0	94.2	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7
GE 9000	84.4	88.6	91.6	93.2	94.1	94.1	94.1	94.3	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 8000	85.4	89.6	92.7	94.3	95.2	95.2	95.2	95.4	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 7000	85.8	89.9	93.0	94.7	95.6	95.6	95.6	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	85.9	90.0	93.2	94.9	95.9	95.9	95.9	96.1	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	86.7	90.8	94.1	96.0	97.0	97.0	97.0	97.2	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	87.4	91.6	95.0	97.0	98.2	98.2	98.3	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 4000	87.8	91.9	95.3	97.3	98.7	98.7	98.8	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 3500	87.9	92.0	95.4	97.4	98.8	98.8	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 3000	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	88.0	92.1	95.6	97.6	98.9	98.9	99.0	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.1	92.2	95.7	97.7	99.0	99.0	99.1	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.3	81.0	83.1	84.2	85.3	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 20000	78.9	85.0	87.1	88.2	89.3	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 18000	78.9	85.0	87.1	88.2	89.3	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 16000	78.9	85.0	87.1	88.2	89.3	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 14000	79.8	86.1	88.2	89.3	90.4	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 12000	80.1	86.8	89.2	90.4	91.6	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 10000	82.6	89.2	91.7	92.9	94.0	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 9000	82.6	89.2	91.7	92.9	94.0	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 8000	83.6	90.2	92.7	93.9	95.0	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 7000	83.8	90.4	92.9	94.1	95.2	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 6000	83.9	90.9	93.7	94.9	96.0	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	84.7	91.7	94.4	95.7	96.8	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4500	85.4	92.4	95.2	96.4	97.6	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	85.9	92.9	95.7	97.0	98.1	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 3500	86.0	93.0	95.8	97.1	98.2	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3000	86.4	93.4	96.2	97.6	98.7	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	86.4	93.4	96.2	97.6	98.7	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	86.4	93.4	96.2	97.7	98.9	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1800	86.4	93.4	96.2	97.7	98.9	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1500	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.7	93.7	96.4	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.7	80.3	82.7	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 20000	80.9	85.9	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 18000	80.9	85.9	88.2	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 16000	81.1	86.1	88.4	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 14000	82.0	87.0	89.3	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 12000	82.6	87.6	90.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 10000	84.4	89.4	92.4	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 9000	84.4	89.4	92.4	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 8000	85.6	90.9	93.9	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 7000	85.7	91.2	94.2	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 6000	86.0	91.6	94.6	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 5000	86.7	92.3	95.3	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4500	87.0	92.7	95.7	96.2	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	88.3	94.0	97.1	97.7	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	89.1	94.8	98.0	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	89.2	94.9	98.1	98.7	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	89.3	95.0	98.2	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	89.3	95.0	98.2	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	89.3	95.0	98.2	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.4	95.2	98.6	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.9	78.4	81.4	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 20000	82.3	86.7	90.0	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 18000	82.6	87.1	90.3	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 16000	82.6	87.1	90.3	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 14000	83.5	88.1	91.3	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 12000	84.0	88.5	91.9	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 10000	86.3	91.0	94.4	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 9000	86.3	91.0	94.4	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 8000	87.5	92.3	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 7000	87.6	92.4	96.0	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 6000	88.0	92.8	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	88.1	92.9	96.4	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	88.6	93.4	97.0	97.4	97.8	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	89.2	94.1	97.8	98.2	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 3500	89.5	94.4	98.1	98.7	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 3000	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.2	95.1	98.8	99.3	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.2	81.8	83.2	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 20000	84.9	86.7	88.3	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 18000	85.7	87.5	89.1	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 16000	85.7	87.5	89.1	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 14000	86.7	88.5	90.1	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 12000	87.8	90.0	91.8	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 10000	90.0	92.2	94.0	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 9000	90.0	92.2	94.0	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 8000	91.6	93.9	95.9	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 7000	91.6	93.9	95.9	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 6000	91.9	94.1	96.1	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 5000	92.2	94.4	96.4	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	92.8	95.0	97.0	97.9	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4000	93.5	95.9	98.0	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3500	93.5	95.9	98.0	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.0	96.3	98.4	99.3	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	84.8	85.3	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 20000	88.0	88.4	89.7	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 18000	88.4	88.9	90.2	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 16000	88.4	88.9	90.2	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 14000	89.3	89.7	91.1	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 12000	90.6	91.2	92.5	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 10000	92.9	93.6	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 9000	92.9	93.6	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 8000	93.5	94.3	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	93.6	94.4	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 6000	93.8	94.6	96.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	94.5	95.4	97.0	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	95.0	96.0	97.5	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 4000	95.9	96.9	98.4	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3500	96.0	97.0	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	96.3	97.3	98.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	96.4	97.4	99.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	80.0	82.5	84.4	85.1	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 20000	84.2	86.9	88.8	89.5	90.0	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
GE 18000	84.4	87.1	89.0	89.7	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 16000	84.4	87.1	89.1	89.8	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 14000	85.2	87.9	89.9	90.6	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 12000	86.1	89.1	91.2	91.9	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 10000	88.3	91.3	93.4	94.2	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 9000	88.3	91.3	93.5	94.2	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 8000	89.3	92.4	94.6	95.4	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 7000	89.5	92.5	94.7	95.5	96.0	96.0	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 6000	89.7	92.9	95.2	95.9	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 5000	90.4	93.6	95.9	96.7	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4500	91.1	94.2	96.6	97.4	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000	91.8	95.0	97.4	98.3	98.9	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 3500	92.1	95.3	97.7	98.6	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 3000	92.4	95.6	98.0	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 2500	92.4	95.6	98.0	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 2000	92.4	95.6	98.0	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	92.4	95.6	98.0	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	92.4	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	92.4	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	92.4	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.5	95.7	98.1	99.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7192

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	74.4	80.1	83.4	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.7	84.7
GE 20000	77.0	83.0	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.1	88.1
GE 18000	77.2	83.2	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.3	88.3
GE 16000	77.5	83.5	87.0	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.6	88.6
GE 14000	78.1	84.1	87.5	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.1	89.1
GE 12000	79.2	85.3	88.7	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.4	90.4
GE 10000	82.2	88.2	91.8	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5	93.5	93.7	93.7
GE 9000	82.2	88.2	91.8	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5	93.5	93.7	93.7
GE 8000	83.2	89.4	93.2	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.9	94.9	95.1	95.1
GE 7000	83.7	89.8	93.8	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.8	95.8
GE 6000	83.8	89.9	93.9	94.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	96.0	96.0
GE 5000	84.7	90.9	94.8	95.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.1	97.1
GE 4500	85.4	91.5	95.6	96.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7	97.8	97.8
GE 4000	86.2	92.4	96.7	97.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9	98.9
GE 3500	86.5	92.7	97.0	97.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.2
GE 3000	86.9	93.1	97.4	98.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8
GE 2500	86.9	93.1	97.4	98.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8
GE 2000	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9
GE 1800	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9
GE 1500	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9
GE 1200	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 1000	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 900	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 800	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 700	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 600	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 500	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 400	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 300	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 200	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 100	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0
GE 000	86.9	93.1	97.4	98.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.8	76.7	81.6	83.2	84.0	84.2	84.5	84.7	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.4
GE 20000	73.1	79.1	84.1	85.7	86.7	86.9	87.2	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	88.1
GE 18000	73.1	79.1	84.1	85.7	86.7	86.9	87.2	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	88.1
GE 16000	73.1	79.1	84.1	85.7	86.7	86.9	87.2	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	88.1
GE 14000	73.5	79.6	84.5	86.1	87.1	87.3	87.6	87.8	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.5
GE 12000	74.6	80.9	85.9	87.6	88.6	88.8	89.1	89.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7	90.0
GE 10000	77.8	84.1	89.1	90.9	91.8	92.2	92.5	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.3
GE 9000	78.1	84.3	89.4	91.1	92.0	92.4	92.7	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.5
GE 8000	78.7	84.9	90.2	91.9	92.9	93.2	93.5	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.4
GE 7000	78.8	85.1	90.5	92.3	93.2	93.5	93.9	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.7
GE 6000	79.1	85.4	90.9	92.6	93.5	93.9	94.2	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	95.1
GE 5000	80.3	86.7	92.2	93.9	94.8	95.2	95.5	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.3
GE 4500	80.8	87.1	92.6	94.3	95.3	95.6	95.9	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.8
GE 4000	81.6	88.0	93.5	95.3	96.2	96.6	96.9	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.7
GE 3500	81.8	88.2	94.0	95.7	96.7	97.0	97.3	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	98.2
GE 3000	82.4	88.7	94.7	96.5	97.4	97.7	98.1	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.9
GE 2500	82.5	88.8	94.8	96.6	97.5	97.8	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	99.0
GE 2000	82.5	88.8	94.8	96.6	97.5	97.8	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	99.0
GE 1800	82.5	88.8	94.8	96.6	97.5	97.8	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	99.0
GE 1500	82.5	88.8	94.8	96.6	97.5	97.8	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	99.0
GE 1200	82.5	88.8	94.8	96.6	97.5	97.8	98.2	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	99.0
GE 1000	82.5	88.8	94.8	96.6	97.5	97.8	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	99.1
GE 900	82.5	88.8	94.8	96.6	97.5	97.8	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	99.1
GE 800	82.5	88.8	94.8	96.6	97.5	97.8	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	99.1
GE 700	82.5	88.8	94.8	96.6	97.5	97.8	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	99.1
GE 600	82.5	88.8	94.8	96.6	97.5	97.8	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	99.1
GE 500	82.6	88.9	94.9	96.7	97.7	98.1	98.5	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.4
GE 400	82.6	88.9	94.9	96.7	97.8	98.2	98.7	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.7
GE 300	82.6	88.9	94.9	96.7	97.8	98.2	98.7	98.9	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.8
GE 200	82.6	88.9	94.9	96.7	97.8	98.2	98.8	99.0	99.0	99.2	99.5	99.5	99.6	99.6	99.6	99.9
GE 100	82.6	88.9	94.9	96.7	97.8	98.2	98.8	99.0	99.0	99.2	99.5	99.5	99.6	99.6	99.6	100.0
GE 000	82.6	88.9	94.9	96.7	97.8	98.2	98.8	99.0	99.0	99.2	99.5	99.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	58.8	64.8	71.6	76.1	77.5	80.0	80.6	80.6	81.3	81.6	81.6	81.9	81.9	81.9	82.5
GE 20000	53.3	61.3	67.4	74.8	79.4	81.0	83.5	84.2	84.2	84.8	85.2	85.2	85.5	85.5	85.5	86.0
GE 18000	53.5	61.5	67.6	75.1	79.7	81.3	83.9	84.5	84.5	85.2	85.5	85.5	85.8	85.8	85.8	86.3
GE 16000	53.5	61.5	67.6	75.1	79.7	81.3	83.9	84.5	84.5	85.2	85.5	85.5	85.8	85.8	85.8	86.3
GE 14000	54.2	62.2	68.4	75.8	80.4	82.0	84.6	85.3	85.3	85.9	86.2	86.2	86.6	86.6	86.6	87.1
GE 12000	55.6	63.5	69.8	77.2	81.8	83.4	86.0	86.7	86.7	87.3	87.6	87.6	88.0	88.0	88.0	88.5
GE 10000	57.6	66.0	72.3	79.8	84.6	86.3	88.9	89.7	89.7	90.3	90.6	90.6	91.0	91.0	91.0	91.5
GE 9000	57.7	66.1	72.4	79.9	84.7	86.5	89.0	89.8	89.8	90.4	90.8	90.8	91.1	91.1	91.1	91.6
GE 8000	58.4	66.8	73.1	80.6	85.5	87.2	89.8	90.5	90.5	91.2	91.5	91.5	91.8	91.8	91.8	92.5
GE 7000	58.5	66.9	73.4	81.0	85.8	87.5	90.1	90.9	90.9	91.5	91.8	91.8	92.2	92.2	92.3	92.9
GE 6000	59.1	67.5	74.1	81.6	86.5	88.2	90.8	91.5	91.5	92.2	92.5	92.5	92.8	92.8	92.9	93.5
GE 5000	60.4	68.8	75.4	82.9	87.7	89.5	92.0	92.8	92.8	93.4	93.8	93.8	94.1	94.1	94.3	94.9
GE 4500	61.0	69.4	75.9	83.7	88.6	90.3	92.9	93.7	93.7	94.3	94.6	94.6	94.9	94.9	95.2	95.8
GE 4000	61.7	70.2	76.8	84.5	89.5	91.2	93.9	94.6	94.6	95.3	95.6	95.6	95.9	95.9	96.1	96.8
GE 3500	62.5	71.0	77.7	85.5	90.4	92.2	94.8	95.6	95.6	96.2	96.6	96.6	96.9	96.9	97.1	97.7
GE 3000	62.5	71.0	77.7	85.5	90.4	92.2	94.8	95.6	95.6	96.2	96.6	96.6	96.9	96.9	97.1	97.7
GE 2500	62.6	71.1	77.8	85.6	90.5	92.4	95.1	95.8	95.8	96.5	96.8	96.8	97.1	97.1	97.3	98.0
GE 2000	62.9	71.4	78.4	86.1	91.1	92.9	95.6	96.3	96.3	97.0	97.3	97.3	97.6	97.6	97.8	98.5
GE 1800	62.9	71.4	78.4	86.1	91.1	92.9	95.6	96.3	96.3	97.0	97.3	97.3	97.6	97.6	97.8	98.5
GE 1500	62.9	71.4	78.4	86.2	91.2	93.0	95.7	96.5	96.5	97.1	97.4	97.4	97.7	97.7	98.0	98.6
GE 1200	62.9	71.4	78.4	86.2	91.2	93.0	95.7	96.5	96.5	97.1	97.4	97.4	97.7	97.7	98.0	98.6
GE 1000	63.0	71.5	78.5	86.3	91.3	93.1	95.8	96.6	96.6	97.2	97.5	97.5	97.8	97.8	98.1	98.7
GE 900	63.0	71.5	78.5	86.3	91.3	93.1	95.8	96.6	96.6	97.2	97.5	97.5	97.8	97.8	98.1	98.7
GE 800	63.0	71.5	78.5	86.3	91.3	93.1	95.8	96.6	96.6	97.2	97.5	97.5	97.8	97.8	98.1	98.8
GE 700	63.0	71.5	78.5	86.3	91.3	93.1	95.8	96.7	96.7	97.3	97.6	97.6	98.0	98.0	98.2	98.9
GE 600	63.0	71.5	78.5	86.3	91.3	93.1	95.8	96.7	96.7	97.3	97.6	97.6	98.0	98.0	98.2	98.9
GE 500	63.0	71.5	78.5	86.3	91.3	93.1	95.9	96.8	96.8	97.4	97.7	97.7	98.1	98.1	98.3	99.0
GE 400	63.0	71.5	78.5	86.3	91.3	93.1	95.9	96.9	96.9	97.5	97.8	97.8	98.2	98.2	98.4	99.1
GE 300	63.0	71.5	78.5	86.3	91.4	93.2	96.0	97.1	97.1	97.7	98.1	98.1	98.4	98.4	98.6	99.4
GE 200	63.0	71.5	78.5	86.3	91.4	93.2	96.2	97.3	97.3	98.0	98.4	98.4	98.8	98.8	99.0	99.8
GE 100	63.0	71.5	78.5	86.3	91.4	93.2	96.2	97.3	97.3	98.0	98.4	98.4	98.8	98.8	99.0	100.0
GE 000	63.0	71.5	78.5	86.3	91.4	93.2	96.2	97.3	97.3	98.0	98.4	98.4	98.8	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.1	60.3	71.6	77.0	81.2	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 20000	54.4	64.2	76.2	82.7	87.1	87.7	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 18000	54.9	64.7	76.9	83.3	87.8	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	55.1	64.8	77.0	83.4	88.0	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 14000	55.7	65.9	78.2	84.6	89.1	89.9	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 12000	56.8	67.2	79.5	85.9	90.5	91.3	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 10000	58.1	68.7	81.3	87.8	92.6	93.3	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 9000	58.3	68.9	81.5	88.1	92.8	93.5	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 8000	59.8	70.5	83.2	89.9	94.6	95.4	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 7000	60.0	70.8	83.4	90.2	94.9	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 6000	60.0	70.8	83.4	90.2	94.9	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 5000	60.9	71.7	84.4	91.2	95.9	96.8	97.3	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 4500	61.0	71.8	84.5	91.3	96.0	96.9	97.4	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 4000	61.6	72.5	85.2	91.9	96.7	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 3500	61.9	72.9	85.7	92.5	97.2	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 3000	61.9	73.0	86.0	92.8	97.5	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 2500	61.9	73.0	86.0	92.8	97.5	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 2000	61.9	73.0	86.0	92.8	97.5	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1800	61.9	73.0	86.0	92.8	97.5	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1500	61.9	73.0	86.0	92.8	97.5	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1200	61.9	73.0	86.0	92.8	97.5	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 1000	62.0	73.1	86.1	92.9	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 900	62.3	73.3	86.3	93.1	97.8	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	62.3	73.3	86.3	93.1	97.8	98.7	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 600	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 500	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	62.3	73.3	86.3	93.1	97.8	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.2	68.2	76.5	78.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 20000	62.7	74.0	83.5	87.4	88.9	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 18000	62.9	74.3	83.9	87.7	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 16000	63.0	74.4	84.0	87.8	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 14000	63.3	75.3	85.1	89.0	90.5	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 12000	64.9	77.1	87.0	91.2	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 10000	65.5	77.7	88.2	92.4	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 9000	65.7	78.0	88.4	92.6	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 8000	66.9	79.1	89.7	93.9	95.5	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 7000	67.4	79.8	90.3	94.5	96.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 6000	67.5	79.9	90.4	94.6	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 5000	68.6	81.0	91.5	95.7	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 4500	68.9	81.3	91.8	96.0	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	69.1	81.5	92.0	96.2	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	69.4	81.7	92.3	96.5	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	69.7	82.2	92.8	97.0	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	69.7	82.2	92.8	97.0	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	69.7	82.2	92.8	97.0	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	69.7	82.2	92.8	97.0	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	69.8	82.3	92.9	97.1	99.0	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	69.9	82.4	93.0	97.2	99.1	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	69.9	82.4	93.1	97.3	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.9	70.3	76.1	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000	64.7	76.0	82.9	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 18000	65.4	77.0	83.9	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 16000	65.6	77.3	84.4	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 14000	66.1	78.2	85.7	89.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 12000	67.2	79.2	86.9	90.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 10000	68.7	81.0	88.6	92.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 9000	69.1	81.4	89.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 8000	70.6	83.0	91.2	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 7000	71.2	83.5	91.8	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 6000	71.2	83.5	91.8	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 5000	72.2	84.5	92.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	72.3	84.6	92.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	72.6	84.9	93.2	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	72.6	84.9	93.2	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3000	72.9	85.3	93.5	97.6	99.1	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	72.9	85.3	93.5	97.6	99.1	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	72.9	85.3	93.5	97.6	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1800	72.9	85.3	93.5	97.6	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	72.9	85.4	93.7	97.7	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.9	85.4	93.7	98.0	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.0	75.6	80.8	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 20000	70.5	78.5	84.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 18000	71.4	79.5	85.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 16000	71.5	79.6	85.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 14000	73.0	81.1	87.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 12000	74.0	82.0	88.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 10000	75.8	83.9	90.1	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 9000	76.2	84.3	90.5	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	77.7	86.5	92.9	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 7000	78.6	87.5	94.0	96.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	78.8	87.7	94.2	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	79.7	88.6	95.1	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4500	79.9	88.8	95.3	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 4000	79.9	88.8	95.3	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 3500	80.1	89.0	95.5	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	80.4	89.4	95.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	80.4	89.4	95.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	80.6	89.6	96.0	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	80.6	89.6	96.0	98.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	80.9	89.8	96.2	98.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	81.0	89.9	96.3	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.0	89.9	96.3	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.8	79.8	83.0	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 20000	72.6	81.8	85.5	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 18000	73.2	82.5	86.1	87.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 16000	73.4	82.7	86.3	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 14000	74.1	83.7	87.3	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 12000	75.4	84.9	88.6	89.8	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 10000	77.2	87.0	90.9	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 9000	77.5	87.3	91.2	92.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 8000	79.1	89.1	93.0	94.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 7000	79.9	90.1	94.0	95.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 6000	80.2	90.4	94.3	96.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 5000	80.8	91.0	94.8	96.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 4500	81.1	91.3	95.2	97.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	81.2	91.4	95.3	97.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	82.0	92.4	96.2	98.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 3000	82.2	92.5	96.3	98.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2500	82.2	92.5	96.3	98.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	82.5	92.8	96.7	98.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	82.5	92.8	96.7	98.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.6	92.9	96.8	98.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.9	71.2	77.2	79.9	81.4	81.7	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.5	82.6
GE 20000	66.0	74.7	81.3	84.7	86.4	86.7	87.2	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.6
GE 18000	66.5	75.2	81.8	85.2	86.9	87.2	87.7	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.1	88.2
GE 16000	66.6	75.4	82.0	85.3	87.1	87.4	87.8	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.3
GE 14000	67.3	76.2	83.0	86.3	88.1	88.4	88.9	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.3	89.4
GE 12000	68.5	77.5	84.3	87.7	89.6	89.9	90.4	90.5	90.5	90.6	90.7	90.7	90.8	90.8	90.8	90.9
GE 10000	70.4	79.6	86.5	90.0	92.0	92.3	92.8	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.3
GE 9000	70.6	79.8	86.8	90.3	92.2	92.6	93.1	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.6
GE 8000	71.8	81.2	88.3	91.9	94.0	94.3	94.8	95.0	95.0	95.1	95.1	95.1	95.2	95.2	95.2	95.3
GE 7000	72.3	81.7	88.9	92.5	94.6	95.0	95.5	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.9	96.0
GE 6000	72.5	81.9	89.1	92.8	94.8	95.2	95.7	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.3
GE 5000	73.4	82.9	90.1	93.8	95.8	96.2	96.7	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.2	97.3
GE 4500	73.8	83.2	90.5	94.1	96.2	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.7
GE 4000	74.2	83.7	91.0	94.7	96.7	97.2	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.2
GE 3500	74.6	84.1	91.5	95.1	97.2	97.6	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.6	98.7
GE 3000	74.9	84.4	91.8	95.5	97.7	98.1	98.7	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.3
GE 2500	74.9	84.4	91.8	95.5	97.7	98.1	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.2	99.3
GE 2000	75.0	84.5	92.0	95.6	97.9	98.3	98.9	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.5
GE 1800	75.0	84.5	92.0	95.6	97.9	98.3	98.9	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.5
GE 1500	75.0	84.6	92.0	95.7	97.9	98.4	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.6
GE 1200	75.1	84.6	92.1	95.8	98.0	98.4	99.0	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.6
GE 1000	75.1	84.6	92.1	95.8	98.0	98.5	99.1	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.7
GE 900	75.1	84.7	92.1	95.8	98.1	98.5	99.1	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.7
GE 800	75.1	84.7	92.1	95.8	98.1	98.5	99.1	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.7
GE 700	75.1	84.7	92.1	95.8	98.1	98.5	99.1	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.8
GE 600	75.1	84.7	92.1	95.8	98.1	98.5	99.1	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.8
GE 500	75.1	84.7	92.1	95.9	98.1	98.5	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8
GE 400	75.1	84.7	92.1	95.9	98.1	98.5	99.2	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.9
GE 300	75.1	84.7	92.1	95.9	98.1	98.5	99.2	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.9
GE 200	75.1	84.7	92.1	95.9	98.1	98.5	99.3	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	100.0
GE 100	75.1	84.7	92.1	95.9	98.1	98.5	99.3	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	100.0
GE 000	75.1	84.7	92.1	95.9	98.1	98.5	99.3	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.6	42.9	48.3	52.9	57.3	58.0	59.0	60.7	60.8	62.2	63.0	63.0	63.4	63.4	64.1	64.4
GE 20000	40.1	44.8	50.7	55.3	60.6	61.4	62.7	64.3	64.4	65.9	66.9	66.9	67.4	67.4	68.1	68.6
GE 18000	40.7	45.3	51.2	55.9	61.1	62.0	63.2	64.9	65.0	66.4	67.4	67.4	68.0	68.0	68.7	69.1
GE 16000	40.7	45.3	51.3	56.0	61.4	62.4	63.9	65.6	65.7	67.1	68.1	68.1	68.7	68.7	69.3	69.8
GE 14000	41.1	45.8	51.8	56.4	61.9	62.9	64.3	66.0	66.2	67.7	68.7	68.7	69.2	69.2	69.9	70.3
GE 12000	43.8	48.4	54.6	59.4	65.2	66.2	67.7	69.4	69.9	71.3	72.3	72.3	72.9	72.9	73.6	74.0
GE 10000	46.3	51.1	57.6	62.6	68.8	69.8	71.3	73.2	73.7	75.1	76.1	76.1	76.7	76.7	77.3	77.8
GE 9000	46.4	51.2	57.7	62.9	69.1	70.1	71.7	73.6	74.0	75.4	76.4	76.4	77.0	77.0	77.7	78.1
GE 8000	49.9	54.8	61.6	66.9	73.2	74.2	75.8	77.9	78.3	79.9	80.9	80.9	81.4	81.4	82.1	82.6
GE 7000	50.4	55.3	62.1	67.6	73.9	75.1	76.8	78.9	79.3	80.9	81.9	81.9	82.4	82.4	83.1	83.6
GE 6000	50.8	55.7	62.4	68.1	74.4	75.7	77.3	79.4	79.9	81.4	82.4	82.4	83.0	83.0	83.7	84.1
GE 5000	52.0	57.2	64.1	69.8	76.1	77.3	79.0	81.1	81.6	83.1	84.1	84.1	84.7	84.7	85.3	85.8
GE 4500	52.9	58.1	65.0	70.7	77.2	78.4	80.1	82.2	82.7	84.2	85.2	85.2	85.8	85.8	86.4	86.9
GE 4000	53.1	58.3	65.4	71.3	78.0	79.2	80.9	83.0	83.4	85.0	86.0	86.0	86.6	86.6	87.2	87.7
GE 3500	53.4	58.7	65.8	72.1	78.8	80.0	81.8	83.9	84.3	85.9	86.9	86.9	87.4	87.4	88.1	88.6
GE 3000	55.1	60.4	67.6	74.2	81.0	82.2	84.0	86.1	86.6	88.3	89.3	89.4	90.0	90.0	90.7	91.1
GE 2500	55.3	61.0	68.3	75.0	81.8	83.0	84.8	86.9	87.3	89.1	90.1	90.2	90.8	90.8	91.4	91.9
GE 2000	55.4	61.1	68.6	75.4	82.2	83.4	85.2	87.3	87.8	89.6	90.6	90.7	91.2	91.2	91.9	92.3
GE 1800	55.4	61.1	68.6	75.4	82.3	83.6	85.3	87.4	87.9	89.7	90.7	90.8	91.3	91.3	92.0	92.4
GE 1500	55.8	61.8	69.4	76.4	83.3	84.8	86.6	88.7	89.1	90.9	91.9	92.0	92.6	92.6	93.2	93.7
GE 1200	55.8	61.9	69.6	76.6	83.6	85.0	86.8	88.9	89.3	91.1	92.1	92.2	92.8	92.8	93.4	93.9
GE 1000	55.8	61.9	69.6	76.7	83.7	85.1	86.9	89.0	89.4	91.2	92.2	92.3	92.9	92.9	93.6	94.0
GE 900	55.8	61.9	69.6	76.7	83.7	85.1	86.9	89.0	89.4	91.2	92.2	92.3	92.9	92.9	93.6	94.0
GE 800	55.9	62.0	69.7	76.8	83.8	85.3	87.1	89.2	89.7	91.4	92.4	92.6	93.1	93.1	93.8	94.2
GE 700	55.9	62.0	69.7	77.0	84.0	85.6	87.6	89.7	90.1	91.9	92.9	93.0	93.6	93.6	94.2	94.7
GE 600	56.0	62.1	69.8	77.1	84.2	85.8	88.2	90.3	90.8	92.6	93.6	93.7	94.2	94.2	94.9	95.3
GE 500	56.0	62.1	69.8	77.1	84.4	86.0	88.6	90.7	91.1	93.0	94.0	94.1	94.7	94.8	95.4	96.2
GE 400	56.0	62.1	69.9	77.4	84.9	86.4	89.3	91.7	92.1	94.0	95.0	95.1	95.7	95.8	96.4	97.2
GE 300	56.0	62.1	69.9	77.4	84.9	86.4	89.3	91.9	92.3	94.3	95.3	95.4	96.0	96.1	96.8	97.9
GE 200	56.0	62.1	69.9	77.4	84.9	86.4	89.3	91.9	92.3	94.4	95.6	95.7	96.6	96.7	97.3	99.4
GE 100	56.0	62.1	69.9	77.4	84.9	86.4	89.3	91.9	92.3	94.4	95.6	95.7	96.7	96.9	97.6	99.8
GE 000	56.0	62.1	69.9	77.4	84.9	86.4	89.3	91.9	92.3	94.4	95.6	95.7	96.7	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.4	39.4	42.9	46.2	50.2	51.0	53.4	54.8	55.1	56.6	56.9	57.0	57.7	57.9	58.7	59.8
GE 20000	37.2	41.7	45.3	49.1	53.2	54.1	56.7	58.0	58.4	60.1	60.7	60.8	61.6	61.8	62.6	63.8
GE 18000	37.4	42.1	45.8	49.6	53.7	54.6	57.1	58.4	58.9	60.6	61.1	61.2	62.0	62.2	63.0	64.2
GE 16000	37.4	42.1	45.8	49.6	53.8	54.9	57.4	58.8	59.2	60.9	61.4	61.6	62.3	62.6	63.3	64.6
GE 14000	38.4	43.1	46.8	50.6	54.8	55.9	58.4	59.8	60.2	61.9	62.4	62.6	63.3	63.6	64.3	65.6
GE 12000	40.7	45.6	49.8	53.7	58.0	59.2	61.9	63.2	63.7	65.4	66.0	66.1	66.9	67.1	67.9	69.1
GE 10000	43.6	48.6	53.1	57.1	62.3	63.6	66.3	67.8	68.2	70.0	70.8	70.9	71.8	72.0	72.8	74.0
GE 9000	43.6	48.6	53.1	57.1	62.3	63.6	66.3	67.8	68.2	70.0	70.8	70.9	71.8	72.0	72.8	74.0
GE 8000	46.4	51.4	56.1	60.1	65.8	67.0	69.8	71.2	71.7	73.6	74.3	74.4	75.3	75.6	76.3	77.6
GE 7000	46.9	52.0	56.7	61.0	66.7	67.9	70.7	72.1	72.6	74.4	75.2	75.3	76.2	76.4	77.2	78.4
GE 6000	47.2	52.4	57.1	61.6	67.2	68.4	71.2	72.7	73.1	75.0	75.8	75.9	76.8	77.0	77.8	79.0
GE 5000	48.6	53.8	58.7	63.2	69.0	70.2	73.0	74.4	74.9	76.8	77.6	77.7	78.6	78.8	79.6	80.8
GE 4500	49.3	54.6	59.4	64.0	69.9	71.2	74.1	75.6	76.0	78.0	79.0	79.1	80.0	80.2	81.0	82.2
GE 4000	50.3	55.6	60.8	65.3	71.2	72.6	75.4	77.0	77.4	79.4	80.4	80.6	81.4	81.7	82.4	83.7
GE 3500	51.2	56.7	62.0	66.7	72.9	74.2	77.1	78.7	79.1	81.4	82.4	82.6	83.4	83.7	84.4	85.7
GE 3000	52.0	57.9	63.6	68.4	74.8	76.1	79.0	80.6	81.0	83.3	84.3	84.4	85.3	85.6	86.3	87.6
GE 2500	52.6	58.4	64.2	69.4	75.8	77.1	80.0	81.6	82.0	84.3	85.3	85.4	86.3	86.6	87.3	88.6
GE 2000	52.8	58.8	64.6	70.0	76.4	77.8	80.7	82.3	82.8	85.3	86.3	86.4	87.3	87.6	88.3	89.6
GE 1800	52.8	58.8	64.6	70.0	76.6	77.9	80.8	82.4	82.9	85.4	86.4	86.6	87.4	87.7	88.4	89.7
GE 1500	52.8	58.8	64.8	70.2	76.9	78.3	81.3	83.0	83.4	86.0	87.0	87.1	88.0	88.2	89.0	90.2
GE 1200	53.0	59.0	65.2	70.8	77.4	78.9	81.9	83.7	84.1	86.7	87.7	87.8	88.7	88.9	89.7	90.9
GE 1000	53.0	59.2	65.4	71.2	78.1	79.6	82.6	84.3	84.8	87.3	88.3	88.4	89.3	89.6	90.3	91.6
GE 900	53.0	59.2	65.4	71.2	78.2	79.7	82.7	84.4	84.9	87.4	88.4	88.6	89.4	89.7	90.4	91.7
GE 800	53.0	59.2	65.4	71.2	78.2	79.7	82.8	84.8	85.2	87.8	88.8	88.9	89.8	90.0	90.8	92.0
GE 700	53.1	59.3	65.6	71.3	78.4	79.9	83.2	85.2	85.7	88.2	89.2	89.3	90.2	90.4	91.2	92.4
GE 600	53.2	59.4	65.7	71.4	78.6	80.0	83.8	85.8	86.2	88.8	89.8	89.9	90.8	91.0	91.8	93.0
GE 500	53.2	59.4	65.7	71.4	78.6	80.0	83.8	85.9	86.3	89.0	90.0	90.1	91.0	91.2	92.0	93.7
GE 400	53.2	59.4	65.7	71.6	78.9	80.3	84.7	86.9	87.3	90.0	91.0	91.1	92.0	92.2	93.0	94.7
GE 300	53.2	59.4	65.7	71.6	78.9	80.3	84.9	87.2	87.7	90.4	91.4	91.6	92.6	92.8	93.9	96.0
GE 200	53.2	59.4	65.7	71.6	78.9	80.3	84.9	87.2	87.7	91.2	92.3	92.4	93.4	93.8	95.4	98.3
GE 100	53.2	59.4	65.7	71.6	78.9	80.3	84.9	87.2	87.7	91.4	92.6	92.7	93.7	94.2	96.1	99.4
GE 000	53.2	59.4	65.7	71.6	78.9	80.3	84.9	87.2	87.7	91.4	92.6	92.7	93.7	94.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.6	28.7	32.1	36.7	42.0	43.0	45.1	47.7	48.2	49.9	51.7	52.1	52.7	52.8	53.4	54.8
GE 20000	28.7	30.9	35.0	40.1	46.4	47.4	49.8	52.6	53.1	55.0	57.0	57.4	58.0	58.2	59.1	60.9
GE 18000	28.9	31.1	35.2	40.3	46.7	47.7	50.0	52.8	53.3	55.2	57.2	57.7	58.2	58.4	59.3	61.1
GE 16000	28.9	31.1	35.2	40.3	46.8	47.8	50.1	52.9	53.4	55.3	57.3	57.8	58.3	58.6	59.4	61.2
GE 14000	29.7	31.9	36.0	41.2	47.9	48.9	51.3	54.2	54.8	56.7	58.9	59.3	59.9	60.1	61.0	62.8
GE 12000	32.1	34.3	38.7	43.9	50.6	51.7	54.1	57.2	58.0	60.1	62.3	62.8	63.3	63.6	64.4	66.2
GE 10000	35.0	37.3	41.9	47.1	54.3	55.4	58.1	61.2	62.0	64.2	66.6	67.0	67.6	67.8	68.7	70.4
GE 9000	35.1	37.6	42.1	47.3	54.6	55.7	58.3	61.4	62.2	64.6	67.0	67.4	68.0	68.2	69.1	70.9
GE 8000	37.1	39.7	44.3	50.0	57.8	58.9	61.9	65.2	66.0	68.3	70.8	71.2	71.8	72.0	72.9	74.7
GE 7000	38.0	40.8	45.6	51.3	59.4	60.6	63.8	67.1	67.9	70.2	72.7	73.1	73.7	73.9	74.8	76.6
GE 6000	38.4	41.2	46.0	51.8	59.9	61.1	64.6	67.9	68.7	71.0	73.4	73.9	74.4	74.7	75.6	77.3
GE 5000	39.8	42.6	47.3	53.2	61.3	62.6	66.0	69.3	70.1	72.4	74.9	75.3	76.0	76.2	77.1	78.9
GE 4500	41.1	43.9	48.8	54.7	62.8	64.0	67.6	70.9	71.8	74.1	76.8	77.2	77.9	78.1	79.0	80.8
GE 4000	42.1	45.0	50.2	56.1	64.2	65.6	69.2	72.7	73.6	75.9	78.6	79.0	79.7	79.9	80.8	82.6
GE 3500	42.6	45.6	50.8	56.7	65.3	66.7	70.4	73.9	74.8	77.1	79.8	80.2	80.9	81.1	82.0	83.8
GE 3000	43.0	46.1	51.6	57.6	66.9	68.2	72.4	76.1	77.1	79.4	82.2	82.7	83.4	83.7	84.6	86.3
GE 2500	43.3	46.4	52.0	58.3	67.8	69.2	73.4	77.1	78.1	80.6	83.3	83.8	84.6	84.8	85.7	87.4
GE 2000	43.4	46.7	52.3	58.8	68.2	69.7	73.9	77.6	78.6	81.2	84.0	84.4	85.2	85.4	86.3	88.1
GE 1800	43.4	46.7	52.3	58.8	68.2	69.7	73.9	77.6	78.6	81.2	84.0	84.4	85.2	85.4	86.3	88.1
GE 1500	43.4	46.7	52.3	58.8	68.2	69.9	74.2	78.1	79.1	81.8	84.6	85.0	85.8	86.0	86.9	88.7
GE 1200	43.4	46.7	52.3	58.8	68.2	69.9	74.2	78.3	79.3	82.1	84.9	85.3	86.1	86.3	87.2	89.0
GE 1000	43.8	47.0	52.9	59.3	68.9	70.6	75.1	79.3	80.3	83.1	85.9	86.3	87.1	87.3	88.2	90.0
GE 900	43.8	47.0	52.9	59.3	69.2	70.9	75.6	79.8	80.8	83.6	86.3	86.8	87.6	87.8	88.7	90.4
GE 800	43.8	47.0	52.9	59.3	69.2	70.9	75.6	79.8	80.8	83.8	86.6	87.0	87.8	88.0	88.9	90.7
GE 700	43.8	47.0	52.9	59.3	69.3	71.1	75.8	80.2	81.2	84.4	87.2	87.7	88.4	88.7	89.6	91.3
GE 600	43.9	47.1	53.0	59.4	69.7	71.4	76.1	80.7	81.7	84.9	87.7	88.1	88.9	89.1	90.0	91.8
GE 500	43.9	47.1	53.0	59.4	69.8	71.6	76.6	81.4	82.4	85.9	88.7	89.1	89.9	90.1	91.1	92.9
GE 400	43.9	47.1	53.0	59.4	69.9	71.7	76.7	81.8	82.8	86.2	89.0	89.4	90.2	90.4	91.4	93.2
GE 300	43.9	47.1	53.0	59.4	69.9	71.7	76.7	82.2	83.2	86.7	89.4	89.9	91.0	91.4	92.9	95.7
GE 200	43.9	47.1	53.0	59.4	69.9	71.7	76.7	82.2	83.2	86.7	89.4	90.0	91.3	91.9	94.0	98.7
GE 100	43.9	47.1	53.0	59.4	69.9	71.7	76.7	82.2	83.2	86.7	89.4	90.0	91.6	92.2	94.3	100.0
GE 000	43.9	47.1	53.0	59.4	69.9	71.7	76.7	82.2	83.2	86.7	89.4	90.0	91.6	92.2	94.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.1	27.8	33.0	37.4	44.0	46.4	49.4	51.1	51.1	51.8	51.8	51.8	51.9	52.0	52.0	52.0
GE 20000	28.0	30.8	37.0	42.2	50.1	52.9	56.3	58.2	58.3	59.1	59.4	59.4	59.6	59.8	59.9	60.1
GE 18000	28.6	31.3	37.7	43.1	51.1	53.9	57.3	59.2	59.3	60.1	60.4	60.4	60.6	60.8	60.9	61.1
GE 16000	28.7	31.4	37.8	43.3	51.3	54.1	57.6	59.4	59.6	60.3	60.7	60.7	60.8	61.0	61.1	61.3
GE 14000	29.7	32.6	39.1	44.8	52.8	55.6	59.4	61.3	61.4	62.2	62.6	62.6	62.7	62.9	63.0	63.2
GE 12000	31.4	34.7	41.2	47.3	55.6	58.4	62.8	64.7	64.8	65.7	66.0	66.0	66.1	66.3	66.4	66.7
GE 10000	34.3	37.6	44.3	50.7	59.4	62.4	66.8	68.8	69.0	69.9	70.2	70.2	70.3	70.6	70.7	70.9
GE 9000	34.4	37.7	44.4	50.8	59.6	62.8	67.2	69.2	69.4	70.3	70.7	70.7	70.8	71.0	71.1	71.3
GE 8000	35.8	39.1	46.3	53.0	62.4	65.8	70.3	72.3	72.6	73.4	73.8	73.8	73.9	74.1	74.2	74.4
GE 7000	37.0	40.3	47.7	54.4	63.9	67.2	72.0	74.1	74.3	75.2	75.6	75.6	75.7	75.9	76.0	76.2
GE 6000	37.4	40.8	48.1	54.9	64.4	67.8	72.8	74.9	75.1	76.0	76.3	76.3	76.4	76.7	76.8	77.0
GE 5000	38.2	41.7	49.0	55.9	65.6	68.9	74.0	76.3	76.6	77.7	78.0	78.0	78.1	78.3	78.4	78.7
GE 4500	39.3	42.9	50.3	57.2	66.9	70.2	75.4	77.9	78.1	79.2	79.6	79.6	79.7	79.9	80.0	80.2
GE 4000	41.0	44.6	52.2	59.4	69.6	72.9	78.1	80.6	80.8	81.9	82.2	82.2	82.3	82.6	82.7	82.9
GE 3500	42.0	45.6	53.2	60.4	71.0	74.3	79.6	82.0	82.2	83.3	83.7	83.7	83.8	84.0	84.1	84.3
GE 3000	43.0	46.6	54.2	61.6	72.6	75.9	81.2	83.9	84.1	85.3	85.7	85.7	85.8	86.0	86.1	86.3
GE 2500	43.3	46.9	54.6	61.9	73.1	76.4	81.9	84.7	84.9	86.1	86.4	86.4	86.6	86.8	86.9	87.1
GE 2000	43.4	47.2	55.0	62.6	74.3	77.8	83.2	86.0	86.2	87.4	87.8	87.8	87.9	88.1	88.2	88.4
GE 1800	43.4	47.2	55.0	62.6	74.3	77.8	83.2	86.0	86.2	87.4	87.8	87.8	87.9	88.1	88.2	88.4
GE 1500	43.6	47.3	55.3	63.0	74.9	78.7	84.6	87.3	87.6	88.9	89.2	89.2	89.3	89.6	89.7	89.9
GE 1200	43.6	47.3	55.6	63.3	75.3	79.2	85.4	88.3	88.6	89.9	90.2	90.2	90.4	90.7	90.8	91.0
GE 1000	43.7	47.4	56.0	63.8	75.9	79.8	86.4	89.3	89.6	91.0	91.3	91.3	91.6	91.8	91.9	92.1
GE 900	43.8	47.6	56.1	63.9	76.2	80.1	86.8	89.7	89.9	91.3	91.7	91.7	91.9	92.1	92.2	92.4
GE 800	43.8	47.6	56.1	64.0	76.7	80.6	87.3	90.4	90.7	92.1	92.4	92.4	92.7	92.9	93.0	93.2
GE 700	43.8	47.6	56.1	64.1	76.9	80.8	87.9	91.0	91.2	92.7	93.0	93.0	93.2	93.4	93.6	93.8
GE 600	43.8	47.7	56.2	64.2	77.0	80.9	88.2	91.7	91.9	93.3	93.7	93.7	93.9	94.1	94.2	94.4
GE 500	43.8	47.7	56.2	64.6	77.7	81.6	88.9	92.6	92.8	94.3	94.8	94.8	95.2	95.4	95.8	96.0
GE 400	43.8	47.7	56.2	64.7	77.8	81.7	89.2	92.9	93.1	94.8	95.7	95.7	96.2	96.4	96.8	97.0
GE 300	43.8	47.7	56.2	64.7	77.8	81.7	89.3	93.2	93.4	95.1	96.1	96.1	97.2	97.4	97.9	98.7
GE 200	43.8	47.7	56.2	64.7	77.8	81.7	89.3	93.2	93.6	95.2	96.2	96.2	97.3	97.6	98.2	99.6
GE 100	43.8	47.7	56.2	64.7	77.8	81.7	89.3	93.2	93.6	95.2	96.2	96.2	97.3	97.6	98.2	100.0
GE 000	43.8	47.7	56.2	64.7	77.8	81.7	89.3	93.2	93.6	95.2	96.2	96.2	97.3	97.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.9	32.8	38.4	45.1	51.0	51.9	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0
GE 20000	32.1	38.1	44.4	53.1	60.3	61.6	62.8	63.2	63.4	63.6	63.7	63.7	63.7	63.7	63.7	63.7
GE 18000	32.7	38.9	45.4	54.2	61.4	62.7	63.9	64.3	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8
GE 16000	32.8	39.2	45.9	54.7	62.0	63.2	64.4	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3
GE 14000	33.9	40.3	47.2	56.0	63.4	64.7	66.2	66.7	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1
GE 12000	36.7	43.2	50.3	59.9	67.4	68.7	70.4	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3
GE 10000	38.7	45.2	52.9	62.7	71.2	72.8	74.7	75.1	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	38.7	45.2	52.9	62.7	71.4	73.0	74.9	75.3	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8
GE 8000	41.1	47.8	55.8	65.9	75.1	76.9	79.3	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3
GE 7000	41.9	48.8	56.8	66.9	76.1	77.9	80.3	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3
GE 6000	42.1	49.0	57.0	67.1	76.3	78.1	80.6	81.1	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6
GE 5000	42.4	49.3	57.4	67.7	77.2	79.0	81.4	82.1	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8
GE 4500	43.1	50.0	58.1	68.4	78.1	79.9	82.7	83.3	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0
GE 4000	44.7	51.8	60.0	70.6	80.7	82.6	85.6	86.2	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500	45.9	53.2	61.7	72.2	82.6	84.6	88.0	88.7	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3
GE 3000	47.3	54.9	63.4	74.2	85.2	87.6	91.2	91.9	92.1	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	48.1	55.7	64.4	75.4	86.6	88.9	92.6	93.2	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 2000	48.4	56.0	65.0	76.3	87.4	89.9	93.6	94.3	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 1800	48.4	56.0	65.0	76.3	87.6	90.0	93.7	94.4	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	48.6	56.2	65.6	77.1	88.6	91.0	94.7	95.4	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	48.6	56.2	65.6	77.2	89.1	91.8	95.6	96.3	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 1000	48.6	56.2	65.6	77.3	89.3	92.1	96.0	96.9	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	48.7	56.3	65.7	77.4	89.7	92.6	96.6	97.4	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	48.7	56.3	65.7	77.4	89.8	92.7	96.7	97.6	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	48.7	56.3	65.7	77.4	90.0	93.2	97.2	98.1	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	48.7	56.3	65.7	77.4	90.1	93.3	97.3	98.2	98.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	48.7	56.3	65.7	77.4	90.1	93.4	97.4	98.4	98.8	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 400	48.7	56.3	65.7	77.4	90.1	93.4	97.4	98.4	98.8	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 300	48.7	56.3	65.7	77.4	90.1	93.4	97.4	98.4	98.8	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 200	48.7	56.3	65.7	77.4	90.1	93.4	97.4	98.4	98.8	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 100	48.7	56.3	65.7	77.4	90.1	93.4	97.4	98.4	98.8	99.6	99.7	99.7	99.9	100.0	100.0	100.0
GE 000	48.7	56.3	65.7	77.4	90.1	93.4	97.4	98.4	98.8	99.6	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.3	37.0	44.1	50.6	54.1	54.2	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 20000	36.3	43.2	51.3	59.8	63.9	64.2	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 18000	36.6	43.4	51.7	60.1	64.3	64.7	66.3	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	36.8	43.7	51.9	60.3	64.9	65.2	67.0	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 14000	38.7	45.6	54.0	63.0	67.7	68.0	70.2	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 12000	40.8	47.7	56.2	65.3	70.6	71.0	73.2	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 10000	41.8	48.7	57.4	67.1	73.2	74.0	76.6	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 9000	42.2	49.1	57.9	67.6	73.7	74.4	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 8000	45.3	52.2	61.1	71.1	78.2	79.3	82.2	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 7000	45.8	52.7	61.7	71.7	78.8	79.9	82.8	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 6000	46.1	53.0	62.0	72.2	79.6	80.7	83.6	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 5000	47.0	53.9	62.9	73.1	80.7	81.8	84.7	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	48.3	55.2	64.4	74.7	82.4	83.6	86.4	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	50.3	57.2	66.6	77.0	85.1	86.2	89.1	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3500	51.9	58.8	68.2	79.0	87.2	88.4	91.3	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 3000	53.0	60.1	70.0	81.4	90.0	91.2	94.2	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	53.1	60.2	70.3	82.0	90.6	91.8	94.8	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	53.3	60.6	70.7	82.3	91.2	92.4	95.4	96.2	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	53.3	60.6	70.7	82.3	91.3	92.6	95.6	96.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	53.3	60.6	71.0	82.7	91.7	92.9	96.0	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	53.4	60.7	71.1	82.9	92.2	93.4	96.6	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1000	53.4	60.8	71.2	83.1	92.6	93.9	97.2	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	53.4	60.8	71.2	83.2	93.0	94.3	97.7	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	53.4	60.8	71.2	83.2	93.1	94.4	97.8	98.8	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	53.4	60.8	71.2	83.3	93.4	94.8	98.1	99.1	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	53.4	60.8	71.2	83.3	93.4	94.8	98.2	99.2	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.4	48.6	54.4	57.6	61.2	61.7	62.4	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 20000	45.1	52.4	58.8	62.4	66.1	66.8	67.9	68.7	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 18000	45.2	52.7	59.3	63.1	66.8	67.4	68.9	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 16000	45.3	52.9	59.6	63.3	67.3	68.0	69.4	70.2	70.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 14000	46.3	53.9	60.7	64.8	68.8	69.4	70.9	71.7	71.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	48.0	55.8	63.1	68.0	72.2	72.9	74.4	75.2	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 10000	48.7	56.6	64.3	69.4	74.3	75.0	77.2	78.2	78.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 9000	48.9	56.8	64.6	69.7	74.6	75.2	77.4	78.4	78.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 8000	51.0	59.2	67.3	72.6	77.7	79.0	81.6	82.6	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 7000	51.7	60.0	68.1	73.3	78.4	79.8	82.4	83.4	83.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 6000	51.7	60.0	68.4	73.7	78.8	80.1	82.8	83.8	83.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 5000	52.9	61.3	70.2	75.4	81.0	82.3	85.0	86.1	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4500	53.7	62.1	71.1	76.4	82.0	83.3	86.0	87.1	87.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 4000	56.1	64.6	73.7	79.0	84.9	86.2	88.9	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3500	57.2	65.7	75.0	80.7	86.7	88.0	91.0	92.1	92.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 3000	58.1	66.8	76.9	82.7	88.8	90.1	93.1	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	58.4	67.1	77.3	83.6	89.8	91.1	94.1	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	58.7	67.3	77.8	84.0	90.3	91.7	94.7	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	58.7	67.4	77.9	84.1	90.4	91.8	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	58.8	67.7	78.2	84.4	90.8	92.1	95.1	96.4	96.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	58.8	67.7	78.3	84.6	91.2	92.7	95.7	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	58.8	67.8	78.4	84.7	91.4	92.9	96.1	97.4	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	58.8	67.8	78.4	84.7	91.6	93.1	96.3	97.7	97.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	58.8	67.8	78.6	84.8	91.9	93.4	96.7	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	58.8	67.8	78.6	84.8	91.9	93.4	96.7	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 200	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.7	99.7	99.9
GE 100	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.7	99.7	100.0
GE 000	58.8	67.8	78.6	84.8	92.0	93.6	96.8	98.2	98.2	99.6	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.1	46.9	53.3	56.8	60.2	61.0	62.1	63.0	63.4	64.7	64.9	64.9	65.1	65.1	65.2	65.6
GE 20000	44.2	49.0	55.9	59.8	63.7	64.8	66.3	67.2	67.8	69.3	69.6	69.6	69.8	69.8	69.9	70.2
GE 18000	44.3	49.4	56.4	60.3	64.2	65.3	67.1	68.1	68.7	70.2	70.4	70.4	70.8	70.8	70.9	71.2
GE 16000	44.3	49.4	56.6	60.4	64.7	65.8	67.6	68.6	69.1	70.7	70.9	70.9	71.2	71.2	71.3	71.7
GE 14000	45.2	50.3	57.6	61.8	66.0	67.1	68.9	69.9	70.4	72.0	72.2	72.2	72.6	72.6	72.7	73.0
GE 12000	48.0	53.2	60.8	65.3	70.0	71.1	72.9	74.0	74.6	76.1	76.3	76.3	76.7	76.7	76.8	77.1
GE 10000	49.8	55.3	63.0	67.6	72.6	73.7	76.1	77.2	77.8	79.3	79.6	79.6	79.9	79.9	80.0	80.3
GE 9000	50.0	55.7	63.3	67.9	72.9	74.0	76.4	77.6	78.1	79.7	79.9	79.9	80.2	80.2	80.3	80.7
GE 8000	51.6	57.4	65.6	70.1	75.1	76.2	78.9	80.1	80.7	82.6	82.8	82.8	83.2	83.2	83.3	83.7
GE 7000	52.6	58.6	67.1	71.7	76.7	77.8	80.4	81.7	82.2	84.1	84.3	84.3	84.8	84.8	84.9	85.2
GE 6000	53.0	59.0	67.7	72.2	77.2	78.3	81.0	82.2	82.8	84.7	84.9	84.9	85.3	85.3	85.4	85.8
GE 5000	54.6	60.6	69.6	74.1	79.1	80.2	82.9	84.3	84.9	86.8	87.0	87.0	87.4	87.4	87.6	87.9
GE 4500	55.3	61.3	70.3	74.9	79.9	81.0	83.7	85.1	85.7	87.6	87.8	87.8	88.2	88.2	88.3	88.7
GE 4000	55.9	61.9	71.1	75.7	80.7	81.8	84.4	86.0	86.6	88.4	88.7	88.7	89.1	89.1	89.2	89.6
GE 3500	56.7	62.7	72.0	76.7	81.8	82.9	85.9	87.4	88.0	89.9	90.1	90.1	90.6	90.6	90.7	91.0
GE 3000	57.6	63.8	73.3	78.4	84.0	85.1	88.1	89.7	90.2	92.4	92.7	92.7	93.1	93.1	93.2	93.6
GE 2500	57.9	64.1	73.9	79.7	85.3	86.4	89.4	91.0	91.6	93.8	94.0	94.0	94.4	94.4	94.6	94.9
GE 2000	58.1	64.4	74.3	80.1	86.0	87.1	90.1	91.7	92.2	94.7	94.9	94.9	95.3	95.3	95.4	95.8
GE 1800	58.2	64.6	74.6	80.3	86.2	87.3	90.3	91.9	92.4	94.9	95.1	95.1	95.6	95.6	95.7	96.0
GE 1500	58.2	64.6	74.8	80.6	86.6	87.7	90.7	92.2	92.8	95.2	95.4	95.4	95.9	95.9	96.0	96.3
GE 1200	58.4	64.9	75.1	80.9	87.2	88.3	91.3	92.9	93.4	95.9	96.1	96.1	96.6	96.6	96.7	97.0
GE 1000	58.4	65.1	75.3	81.2	87.6	88.7	91.7	93.2	93.8	96.2	96.4	96.4	96.9	96.9	97.0	97.3
GE 900	58.4	65.1	75.3	81.2	87.6	88.7	91.7	93.2	93.8	96.2	96.4	96.4	96.9	96.9	97.0	97.3
GE 800	58.4	65.1	75.4	81.3	87.7	88.8	91.8	93.3	93.9	96.3	96.6	96.6	97.0	97.0	97.1	97.4
GE 700	58.4	65.1	75.4	81.3	87.9	89.0	92.0	93.6	94.3	96.8	97.0	97.0	97.4	97.4	97.6	97.9
GE 600	58.4	65.1	75.4	81.3	87.9	89.0	92.0	93.7	94.6	97.0	97.3	97.3	97.8	97.8	97.9	98.2
GE 500	58.4	65.1	75.4	81.3	87.9	89.0	92.0	93.7	94.6	97.0	97.3	97.3	97.8	97.8	97.9	98.3
GE 400	58.6	65.2	75.6	81.4	88.0	89.1	92.2	94.0	94.9	97.3	97.7	97.7	98.1	98.1	98.2	98.7
GE 300	58.6	65.2	75.7	81.6	88.2	89.3	92.4	94.3	95.2	97.7	98.0	98.0	98.4	98.4	98.6	99.0
GE 200	58.6	65.2	75.7	81.6	88.2	89.3	92.4	94.3	95.2	97.7	98.0	98.0	98.8	98.8	98.9	99.7
GE 100	58.6	65.2	75.7	81.6	88.2	89.3	92.4	94.3	95.2	97.7	98.0	98.0	98.8	98.8	98.9	100.0
GE 000	58.6	65.2	75.7	81.6	88.2	89.3	92.4	94.3	95.2	97.7	98.0	98.0	98.8	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 98

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.6	38.0	43.3	47.9	52.5	53.4	54.9	56.0	56.2	57.1	57.5	57.6	57.8	57.9	58.2	58.6
GE 20000	36.5	41.4	47.3	52.7	58.0	59.2	61.0	62.2	62.5	63.6	64.1	64.2	64.4	64.5	64.8	65.3
GE 18000	36.8	41.8	47.8	53.3	58.7	59.8	61.7	63.0	63.2	64.3	64.8	64.9	65.2	65.3	65.6	66.1
GE 16000	36.9	41.9	48.0	53.5	59.0	60.2	62.2	63.4	63.7	64.8	65.3	65.4	65.7	65.7	66.1	66.6
GE 14000	37.9	42.9	49.1	54.8	60.4	61.6	63.7	65.0	65.3	66.3	66.9	67.0	67.3	67.3	67.7	68.2
GE 12000	40.2	45.4	51.8	57.9	63.7	64.9	67.2	68.5	68.8	70.0	70.5	70.6	70.9	71.0	71.3	71.8
GE 10000	42.3	47.5	54.3	60.5	67.0	68.3	70.9	72.3	72.6	73.8	74.4	74.4	74.8	74.8	75.2	75.7
GE 9000	42.4	47.7	54.5	60.7	67.3	68.6	71.2	72.6	72.9	74.1	74.7	74.8	75.1	75.1	75.5	76.0
GE 8000	44.8	50.2	57.3	63.7	70.7	72.2	75.0	76.5	76.8	78.0	78.7	78.7	79.0	79.1	79.4	79.9
GE 7000	45.5	51.1	58.2	64.7	71.7	73.3	76.2	77.7	78.0	79.2	79.8	79.9	80.2	80.3	80.6	81.1
GE 6000	45.8	51.4	58.6	65.2	72.2	73.8	76.7	78.2	78.6	79.8	80.4	80.5	80.8	80.9	81.2	81.7
GE 5000	46.9	52.5	59.9	66.6	73.8	75.3	78.3	79.8	80.2	81.5	82.1	82.2	82.5	82.6	82.9	83.4
GE 4500	47.9	53.5	60.9	67.6	74.9	76.5	79.5	81.1	81.5	82.8	83.4	83.5	83.8	83.9	84.3	84.8
GE 4000	49.2	54.9	62.5	69.3	76.8	78.4	81.5	83.1	83.5	84.8	85.4	85.5	85.8	85.9	86.3	86.8
GE 3500	50.1	55.8	63.6	70.6	78.3	79.9	83.1	84.8	85.2	86.5	87.2	87.3	87.6	87.7	88.0	88.5
GE 3000	51.1	57.1	65.1	72.3	80.4	82.1	85.4	87.2	87.5	89.0	89.7	89.7	90.1	90.2	90.5	91.0
GE 2500	51.5	57.5	65.6	73.2	81.3	83.0	86.4	88.2	88.5	90.0	90.7	90.8	91.1	91.2	91.5	92.0
GE 2000	51.7	57.8	66.0	73.7	82.0	83.7	87.1	88.9	89.3	90.9	91.6	91.7	92.0	92.1	92.4	92.9
GE 1800	51.7	57.8	66.1	73.7	82.1	83.8	87.2	89.0	89.4	91.0	91.7	91.8	92.1	92.2	92.5	93.0
GE 1500	51.8	57.9	66.4	74.2	82.6	84.4	87.9	89.8	90.1	91.7	92.4	92.5	92.8	92.9	93.3	93.8
GE 1200	51.9	58.0	66.6	74.4	83.0	84.9	88.4	90.4	90.7	92.3	93.0	93.1	93.5	93.6	93.9	94.4
GE 1000	51.9	58.2	66.8	74.7	83.4	85.3	89.0	91.0	91.3	93.0	93.7	93.7	94.1	94.2	94.5	95.0
GE 900	52.0	58.2	66.8	74.7	83.6	85.6	89.3	91.2	91.6	93.2	93.9	94.0	94.4	94.4	94.8	95.3
GE 800	52.0	58.2	66.9	74.8	83.8	85.7	89.5	91.5	91.9	93.6	94.3	94.3	94.7	94.8	95.1	95.6
GE 700	52.0	58.2	66.9	74.8	84.0	86.0	89.8	91.9	92.3	94.0	94.7	94.8	95.1	95.2	95.5	96.0
GE 600	52.0	58.3	66.9	74.9	84.1	86.1	90.1	92.2	92.7	94.4	95.1	95.2	95.6	95.6	96.0	96.5
GE 500	52.0	58.3	66.9	74.9	84.2	86.2	90.3	92.5	92.9	94.8	95.5	95.6	96.0	96.1	96.5	97.1
GE 400	52.0	58.3	67.0	75.0	84.4	86.4	90.6	92.9	93.3	95.2	95.9	96.0	96.5	96.6	96.9	97.5
GE 300	52.0	58.3	67.0	75.0	84.4	86.4	90.6	93.1	93.5	95.4	96.2	96.3	96.8	97.0	97.5	98.4
GE 200	52.0	58.3	67.0	75.0	84.4	86.4	90.6	93.1	93.5	95.5	96.3	96.4	97.1	97.3	97.9	99.4
GE 100	52.0	58.3	67.0	75.0	84.4	86.4	90.6	93.1	93.5	95.6	96.4	96.5	97.2	97.4	98.1	99.9
GE 000	52.0	58.3	67.0	75.0	84.4	86.4	90.6	93.1	93.5	95.6	96.4	96.5	97.2	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.6	20.2	22.4	23.0	25.3	26.6	29.2	31.5	32.4	34.9	36.7	36.7	38.7	39.5	40.2	42.3
GE 20000	19.1	20.8	23.2	24.0	26.3	27.7	30.8	33.5	34.4	37.0	39.0	39.0	41.2	41.9	42.7	44.9
GE 18000	19.5	21.1	23.5	24.3	26.7	28.1	31.2	34.0	34.8	37.4	39.5	39.5	41.6	42.4	43.1	45.4
GE 16000	19.5	21.1	23.5	24.3	26.7	28.1	31.2	34.0	34.8	37.4	39.5	39.5	41.6	42.4	43.1	45.4
GE 14000	20.5	22.2	24.6	25.4	27.8	29.2	32.4	35.2	36.0	38.8	41.0	41.0	43.2	44.0	44.7	47.0
GE 12000	21.8	23.5	26.3	27.1	29.6	31.1	34.3	37.1	38.0	40.8	42.9	42.9	45.2	45.9	46.7	48.9
GE 10000	24.0	25.9	28.9	29.8	32.4	33.9	37.1	40.0	40.9	43.9	46.0	46.0	48.3	49.0	49.8	52.0
GE 9000	24.3	26.2	29.2	30.1	32.7	34.2	37.4	40.3	41.2	44.2	46.3	46.3	48.6	49.4	50.1	52.4
GE 8000	25.5	27.5	30.6	31.6	34.5	36.2	39.8	42.7	43.5	46.6	48.7	48.7	51.0	51.7	52.5	54.7
GE 7000	25.9	28.0	31.1	32.0	34.9	36.7	40.2	43.1	44.0	47.0	49.1	49.1	51.4	52.2	52.9	55.2
GE 6000	26.6	28.6	31.7	32.7	35.6	37.3	40.9	43.9	44.7	47.7	49.9	49.9	52.2	52.9	53.7	55.9
GE 5000	28.0	30.0	33.1	34.3	37.2	38.9	42.6	45.6	46.5	49.5	51.6	51.6	53.9	54.6	55.4	57.6
GE 4500	28.3	30.3	33.4	34.6	37.5	39.2	43.0	46.0	46.9	49.9	52.0	52.0	54.4	55.2	55.9	58.2
GE 4000	30.2	32.3	35.6	37.2	40.1	41.8	45.8	48.8	49.7	52.7	54.8	54.8	57.2	58.0	58.7	61.0
GE 3500	30.5	32.6	36.0	37.8	41.0	42.7	47.0	50.0	50.9	53.9	56.0	56.0	58.4	59.1	59.9	62.2
GE 3000	30.8	32.9	36.6	38.6	41.8	43.7	48.1	51.7	52.7	55.7	57.8	57.8	60.2	61.0	61.7	64.0
GE 2500	30.9	33.1	37.0	39.1	42.4	44.3	48.7	52.5	53.4	56.5	58.6	58.6	61.0	61.7	62.5	64.7
GE 2000	31.5	33.8	37.7	39.9	43.4	45.4	50.0	53.9	54.8	57.8	60.0	60.0	62.4	63.1	63.9	66.1
GE 1800	31.6	33.9	37.8	40.1	43.7	45.9	50.5	54.5	55.5	58.5	60.6	60.6	63.0	63.8	64.5	66.8
GE 1500	31.7	34.1	38.3	40.9	44.4	46.8	51.4	55.5	56.5	59.6	61.7	61.7	64.2	64.9	65.7	68.0
GE 1200	31.8	34.2	38.4	41.2	45.1	47.4	52.2	56.2	57.2	60.3	62.5	62.5	64.9	65.7	66.5	68.7
GE 1000	31.9	34.3	38.5	41.3	45.7	48.1	53.0	57.2	58.3	61.4	63.9	63.9	66.5	67.2	68.0	70.2
GE 900	31.9	34.3	38.5	41.3	45.8	48.3	53.2	57.4	58.5	61.6	64.1	64.1	66.7	67.4	68.2	70.4
GE 800	31.9	34.3	38.5	41.3	46.1	48.7	53.8	58.0	59.0	62.2	64.6	64.6	67.2	68.0	68.7	71.0
GE 700	32.0	34.4	38.6	41.6	46.5	49.2	54.7	58.9	60.0	63.1	65.6	65.6	68.2	68.9	69.7	71.9
GE 600	32.0	34.4	38.7	41.8	47.1	50.0	56.0	60.2	61.3	64.4	66.9	66.9	69.6	70.3	71.1	73.3
GE 500	32.0	34.4	38.8	41.9	47.2	50.3	56.7	61.0	62.0	65.3	67.7	67.7	70.5	71.3	72.2	74.4
GE 400	32.0	34.4	38.8	41.9	47.2	50.3	56.9	61.3	62.4	65.8	68.7	68.7	71.5	72.3	73.1	75.5
GE 300	32.0	34.4	38.8	41.9	47.2	50.5	57.2	62.0	63.1	67.2	71.2	71.4	74.2	75.1	76.0	79.1
GE 200	32.0	34.4	38.8	41.9	47.2	50.5	57.4	62.4	63.7	68.0	72.3	72.5	75.7	77.2	78.8	87.8
GE 100	32.0	34.4	38.8	41.9	47.2	50.5	57.4	62.4	63.7	68.2	72.9	73.2	76.8	78.5	81.4	97.8
GE 000	32.0	34.4	38.8	41.9	47.2	50.5	57.4	62.4	63.7	68.2	72.9	73.2	76.8	78.5	81.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.9	17.4	19.0	20.3	21.8	23.1	24.0	26.0	26.5	28.6	30.5	31.3	33.4	33.8	34.5	36.5
GE 20000	17.4	19.0	21.0	22.4	24.0	25.5	26.5	28.9	29.4	31.8	33.9	34.6	36.8	37.1	37.8	39.8
GE 18000	17.7	19.4	21.3	22.7	24.3	25.8	26.8	29.2	29.7	32.2	34.2	34.9	37.1	37.4	38.2	40.1
GE 16000	17.7	19.4	21.3	22.7	24.3	25.8	26.8	29.2	29.7	32.2	34.2	34.9	37.1	37.4	38.2	40.1
GE 14000	18.0	19.7	21.6	23.0	24.6	26.1	27.1	29.7	30.1	32.6	34.7	35.5	37.6	38.0	38.7	40.6
GE 12000	19.0	20.9	22.8	24.3	25.9	27.4	28.5	31.1	31.6	34.2	36.3	37.1	39.2	39.6	40.3	42.3
GE 10000	20.6	22.9	25.2	26.9	28.6	30.1	31.4	34.0	34.5	37.6	39.8	40.5	42.8	43.1	43.9	46.0
GE 9000	20.9	23.1	25.4	27.1	28.8	30.3	31.6	34.2	34.7	37.8	40.0	40.8	43.0	43.3	44.1	46.2
GE 8000	22.6	25.3	27.6	29.4	31.3	32.8	34.2	37.1	37.8	41.3	43.4	44.2	46.5	46.8	47.5	49.7
GE 7000	23.1	26.0	28.4	30.1	32.0	33.5	34.9	37.8	38.6	42.0	44.2	44.9	47.2	47.5	48.3	50.4
GE 6000	23.4	26.3	28.7	30.4	32.4	33.9	35.3	38.2	38.9	42.4	44.5	45.3	47.5	47.8	48.6	50.8
GE 5000	24.5	27.4	30.0	32.2	34.1	35.6	37.0	39.9	40.6	44.1	46.2	47.0	49.2	49.6	50.3	52.5
GE 4500	24.8	27.8	30.4	32.6	34.8	36.3	37.7	40.6	41.4	44.8	47.0	47.7	50.0	50.3	51.1	53.2
GE 4000	27.0	30.4	33.1	35.5	38.2	39.7	41.4	44.3	45.1	48.5	50.6	51.4	53.7	54.0	54.7	56.9
GE 3500	27.0	30.4	33.1	35.5	38.2	39.7	41.4	44.3	45.1	48.5	50.6	51.4	53.7	54.0	54.7	56.9
GE 3000	27.2	30.8	33.4	36.2	38.9	40.4	42.3	45.2	45.9	49.7	51.8	52.6	54.8	55.2	55.9	58.1
GE 2500	27.6	31.2	34.2	37.0	39.7	41.2	43.4	46.7	47.4	51.2	53.3	54.1	56.3	56.7	57.4	59.6
GE 2000	27.7	31.4	34.6	37.4	40.5	42.2	44.5	47.7	48.5	52.3	54.4	55.2	57.4	57.7	58.5	60.6
GE 1800	27.7	31.4	34.6	37.4	40.6	42.5	45.1	48.3	49.0	52.8	54.9	55.7	58.0	58.3	59.0	61.2
GE 1500	28.2	31.8	35.1	38.2	41.5	43.4	46.1	49.8	50.5	54.3	56.5	57.2	59.5	59.8	60.5	62.7
GE 1200	28.2	31.8	35.1	38.4	42.0	44.0	46.7	50.3	51.1	54.8	57.0	57.7	60.0	60.3	61.1	63.2
GE 1000	28.5	32.2	35.5	39.0	43.1	45.1	47.8	51.6	52.4	56.2	58.4	59.1	61.5	61.8	62.6	64.7
GE 900	28.5	32.2	35.5	39.0	43.1	45.1	48.1	51.8	52.6	56.5	58.6	59.4	61.7	62.0	62.8	64.9
GE 800	28.5	32.2	35.5	39.1	43.5	45.5	48.6	52.4	53.1	57.2	59.4	60.1	62.5	62.8	63.5	65.7
GE 700	28.5	32.2	35.5	39.2	43.9	45.9	49.2	53.1	53.9	58.1	60.2	61.0	63.4	63.8	64.5	66.7
GE 600	28.5	32.2	35.8	39.7	44.3	46.5	50.0	53.9	54.8	59.0	61.2	61.9	64.6	64.9	65.7	67.8
GE 500	28.5	32.2	35.8	39.7	44.4	46.6	50.6	54.8	55.8	60.5	62.7	63.4	66.1	66.5	67.2	69.6
GE 400	28.5	32.2	35.8	39.8	44.5	46.9	51.4	55.9	56.9	62.0	64.5	65.3	68.1	68.4	69.2	71.7
GE 300	28.5	32.2	35.8	39.8	44.5	46.9	51.6	56.6	57.5	63.1	66.7	67.7	71.2	71.6	72.8	75.9
GE 200	28.5	32.2	35.8	39.8	44.5	46.9	51.7	56.7	58.1	63.7	67.4	68.6	72.8	74.1	76.0	86.0
GE 100	28.5	32.2	35.8	39.8	44.5	46.9	51.7	56.7	58.1	63.8	68.0	69.1	73.8	75.6	78.8	98.0
GE 000	28.5	32.2	35.8	39.8	44.5	46.9	51.7	56.7	58.1	63.8	68.0	69.1	73.8	75.6	78.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	11.0	11.5	12.2	13.2	14.6	15.7	17.1	19.8	20.2	22.2	23.4	24.0	26.0	26.3	26.8	29.5
GE 20000	13.0	13.7	14.3	15.5	17.0	18.1	19.5	22.6	23.1	25.4	27.0	27.5	29.7	30.0	30.5	34.0
GE 18000	13.3	14.0	14.6	15.8	17.4	18.5	19.9	23.0	23.5	25.8	27.4	28.0	30.1	30.4	31.0	34.4
GE 16000	13.4	14.1	14.7	15.9	17.5	18.6	20.0	23.1	23.7	25.9	27.5	28.1	30.2	30.5	31.1	34.5
GE 14000	13.7	14.4	15.3	16.6	18.2	19.2	20.6	23.8	24.4	26.7	28.3	28.8	31.0	31.3	31.9	35.4
GE 12000	14.4	15.3	16.2	17.6	19.6	20.6	22.3	25.5	26.1	28.4	30.0	30.5	32.7	33.0	33.7	37.2
GE 10000	15.8	16.8	17.8	19.4	21.6	22.8	24.5	27.8	28.6	31.1	32.9	33.4	35.6	35.9	36.6	40.1
GE 9000	16.1	17.1	18.2	19.7	21.9	23.1	24.8	28.2	28.9	31.4	33.2	33.8	35.9	36.2	36.9	40.4
GE 8000	17.7	18.8	20.2	22.0	24.4	25.6	27.3	30.8	31.5	34.3	36.1	36.7	38.8	39.1	39.8	43.3
GE 7000	18.3	19.4	20.8	22.6	24.9	26.1	27.8	31.3	32.0	34.8	36.7	37.2	39.4	39.7	40.3	43.9
GE 6000	18.4	19.5	21.1	23.0	25.4	26.6	28.3	31.7	32.5	35.3	37.1	37.6	39.9	40.2	40.9	44.4
GE 5000	19.9	21.1	22.8	25.1	27.7	28.9	30.9	34.3	35.1	38.0	39.9	40.4	42.7	43.0	43.7	47.2
GE 4500	20.5	21.7	23.4	25.7	28.5	29.7	31.6	35.1	35.8	38.7	40.8	41.3	43.5	43.9	44.5	48.1
GE 4000	22.0	23.3	25.3	27.6	30.8	31.9	34.3	38.1	38.8	41.7	43.9	44.4	46.7	47.0	47.6	51.2
GE 3500	22.6	24.0	26.0	28.5	31.8	33.2	35.7	39.5	40.2	43.2	45.4	45.9	48.2	48.5	49.1	52.7
GE 3000	23.9	25.3	27.4	30.1	33.7	35.1	37.6	41.5	42.3	45.3	47.4	48.0	50.2	50.5	51.2	54.7
GE 2500	23.9	25.3	27.4	30.3	33.9	35.3	38.2	42.2	43.0	46.1	48.3	48.8	51.1	51.4	52.0	55.6
GE 2000	23.9	25.3	27.4	30.3	34.2	35.7	38.7	43.1	44.0	47.1	49.2	49.8	52.0	52.4	53.0	56.6
GE 1800	23.9	25.3	27.5	30.4	34.3	35.8	38.9	43.4	44.3	47.4	49.6	50.1	52.4	52.7	53.3	56.9
GE 1500	24.1	25.5	27.8	31.2	35.4	37.1	40.3	45.2	46.1	49.2	51.5	52.0	54.4	54.7	55.4	58.9
GE 1200	24.1	25.5	27.8	31.2	35.4	37.2	40.5	45.4	46.6	49.7	51.9	52.5	54.8	55.2	55.8	59.4
GE 1000	24.3	25.7	28.1	31.4	35.9	37.8	41.4	46.6	47.7	50.9	53.1	53.7	56.0	56.3	57.0	60.5
GE 900	24.3	25.7	28.1	31.4	36.0	38.2	41.8	47.0	48.2	51.3	53.5	54.1	56.5	56.8	57.4	61.0
GE 800	24.3	25.7	28.1	31.4	36.3	38.5	42.2	47.5	49.0	52.3	54.5	55.1	57.4	57.7	58.4	61.9
GE 700	24.4	25.8	28.2	31.5	36.6	38.7	42.4	47.7	49.2	52.6	54.9	55.6	58.0	58.3	58.9	62.5
GE 600	24.4	25.8	28.2	31.6	36.8	38.9	42.8	48.4	49.9	53.5	56.1	56.8	59.2	59.6	60.2	63.8
GE 500	24.4	25.8	28.2	31.7	37.2	39.4	43.8	49.9	51.6	55.5	58.3	58.9	61.5	61.8	62.5	66.0
GE 400	24.4	25.8	28.2	31.7	37.2	39.5	44.3	50.6	52.8	57.0	60.4	61.2	63.9	64.4	65.1	68.8
GE 300	24.4	25.8	28.2	31.8	37.5	39.8	44.6	51.0	53.3	58.4	62.3	63.2	66.5	67.2	68.8	73.8
GE 200	24.4	25.8	28.2	31.8	37.5	39.8	44.6	51.0	53.7	59.2	63.4	64.4	69.1	71.4	74.5	87.8
GE 100	24.4	25.8	28.2	31.8	37.5	39.8	44.6	51.0	53.7	59.2	63.5	64.6	69.6	72.2	75.9	98.6
GE 000	24.4	25.8	28.2	31.8	37.5	39.8	44.6	51.0	53.7	59.2	63.5	64.6	69.6	72.2	75.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	9.9	10.3	11.2	12.6	15.7	17.3	19.5	22.3	22.6	24.2	25.6	25.8	27.2	27.4	27.8	28.8
GE 20000	11.2	11.6	12.5	14.2	17.8	19.7	21.8	25.7	26.0	27.7	29.2	29.5	31.6	31.8	32.7	34.5
GE 18000	11.5	11.9	12.9	14.6	18.3	20.2	22.5	26.6	27.0	28.7	30.2	30.4	32.6	32.8	33.7	35.5
GE 16000	11.5	11.9	12.9	14.6	18.3	20.2	22.5	26.6	27.0	28.7	30.2	30.4	32.6	32.8	33.7	35.5
GE 14000	12.0	12.8	14.0	15.7	19.5	21.5	23.8	27.8	28.3	30.0	31.5	31.7	33.9	34.1	34.9	36.8
GE 12000	12.9	13.8	15.2	17.2	21.2	23.2	25.6	29.8	30.2	31.9	33.4	33.7	35.8	36.0	36.9	38.7
GE 10000	14.5	15.4	17.0	19.2	23.7	25.8	28.3	32.7	33.3	35.1	36.6	36.8	38.9	39.1	40.0	41.8
GE 9000	14.8	15.7	17.3	19.6	24.0	26.2	28.8	33.2	33.9	35.6	37.1	37.3	39.5	39.7	40.5	42.4
GE 8000	17.2	18.3	20.0	22.5	27.3	29.6	32.4	37.0	37.6	39.4	40.9	41.1	43.2	43.4	44.3	46.1
GE 7000	18.0	19.0	20.9	23.3	28.3	30.5	33.7	38.3	38.9	40.6	42.2	42.4	44.5	44.7	45.6	47.4
GE 6000	18.0	19.0	21.0	23.7	28.7	31.0	34.1	38.8	39.5	41.4	42.9	43.1	45.3	45.6	46.5	48.3
GE 5000	20.2	21.4	23.4	26.1	31.6	34.1	38.0	42.8	43.4	45.4	46.9	47.1	49.2	49.6	50.4	52.3
GE 4500	20.5	21.7	23.9	26.8	32.4	34.8	38.7	43.5	44.2	46.1	47.6	47.8	50.1	50.4	51.3	53.1
GE 4000	21.9	23.2	25.5	28.7	34.5	37.1	41.5	46.8	47.5	49.5	51.0	51.2	53.5	53.9	54.7	56.6
GE 3500	22.3	23.8	26.0	29.2	35.2	37.7	42.4	47.6	48.4	50.3	51.9	52.2	54.5	54.8	55.7	57.5
GE 3000	23.0	24.5	26.8	30.0	36.2	38.9	43.7	49.0	49.8	51.9	53.5	53.8	56.1	56.5	57.3	59.1
GE 2500	23.2	24.7	27.1	30.4	37.0	39.7	44.8	50.5	51.3	53.4	55.1	55.3	57.6	58.0	58.8	60.6
GE 2000	23.4	24.9	27.3	30.8	37.6	40.4	45.7	51.4	52.2	54.5	56.1	56.3	58.7	59.0	59.9	61.7
GE 1800	23.5	25.1	27.4	30.9	37.7	40.5	45.8	51.6	52.4	54.7	56.3	56.6	58.9	59.2	60.1	61.9
GE 1500	24.1	25.6	28.0	31.5	38.4	41.3	46.9	52.9	53.7	56.0	57.6	57.8	60.2	60.5	61.4	63.2
GE 1200	24.3	25.8	28.2	31.8	39.1	42.2	47.8	53.9	54.7	57.1	58.7	58.9	61.3	61.6	62.5	64.3
GE 1000	24.5	26.0	28.5	32.4	39.8	42.8	48.8	55.1	55.9	58.3	59.9	60.1	62.5	62.8	63.7	65.5
GE 900	24.6	26.1	28.7	32.6	40.0	43.1	49.4	56.0	56.9	59.2	60.9	61.1	63.4	63.8	64.6	66.5
GE 800	24.6	26.1	28.9	32.9	40.6	44.0	50.5	57.4	58.4	60.9	62.5	62.7	65.1	65.4	66.2	68.1
GE 700	24.6	26.1	28.9	32.9	40.8	44.5	51.4	58.8	59.9	62.4	64.0	64.2	66.6	66.9	67.7	69.6
GE 600	24.6	26.1	28.9	32.9	41.2	45.1	51.9	59.9	61.2	63.7	65.4	65.6	68.0	68.3	69.1	71.0
GE 500	24.6	26.1	29.0	33.0	41.3	45.3	52.4	61.0	62.8	65.6	67.5	67.8	70.2	70.5	71.4	73.2
GE 400	24.6	26.1	29.0	33.0	41.3	45.4	52.9	61.9	64.2	67.8	70.3	70.6	73.3	73.8	74.7	77.0
GE 300	24.6	26.1	29.0	33.0	41.4	45.5	53.2	62.5	65.1	70.0	73.8	74.5	78.1	79.2	81.7	85.2
GE 200	24.6	26.1	29.0	33.0	41.4	45.5	53.2	62.6	65.3	70.8	74.9	76.2	80.9	83.0	86.8	95.8
GE 100	24.6	26.1	29.0	33.0	41.4	45.5	53.2	62.6	65.3	70.8	74.9	76.3	81.1	83.3	87.7	100.0
GE 000	24.6	26.1	29.0	33.0	41.4	45.5	53.2	62.6	65.3	70.8	74.9	76.3	81.1	83.3	87.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	14.0	15.3	17.1	19.9	24.0	25.7	29.6	32.7	33.4	34.6	35.1	35.1	35.3	35.3	35.4	35.4
GE 20000	15.6	17.0	19.1	22.3	27.0	28.8	33.4	36.8	37.5	39.2	39.9	39.9	40.2	40.3	40.4	40.6
GE 18000	15.7	17.1	19.2	22.5	27.3	29.1	33.8	37.1	38.0	39.8	40.4	40.4	40.8	40.9	41.0	41.2
GE 16000	15.8	17.2	19.4	22.6	27.4	29.2	33.9	37.2	38.1	39.9	40.5	40.5	40.9	41.0	41.1	41.3
GE 14000	16.3	17.7	19.9	23.2	28.2	30.2	34.8	38.2	39.0	40.9	41.6	41.6	41.9	42.0	42.3	42.5
GE 12000	17.6	19.2	21.8	26.0	31.2	33.8	38.6	42.0	43.0	44.8	45.8	45.8	46.1	46.2	46.5	46.7
GE 10000	20.0	21.7	24.5	29.1	34.4	37.0	41.9	45.6	46.7	48.6	49.6	49.6	49.9	50.0	50.2	50.4
GE 9000	20.1	21.8	24.6	29.2	34.6	37.2	42.2	45.8	46.9	48.8	49.8	49.8	50.1	50.2	50.4	50.6
GE 8000	22.6	24.4	27.3	32.6	38.7	41.6	46.8	50.5	51.6	53.5	54.5	54.5	54.8	54.9	55.2	55.4
GE 7000	23.2	25.1	28.0	33.3	39.5	42.4	47.5	51.3	52.4	54.3	55.3	55.3	55.6	55.7	55.9	56.1
GE 6000	23.4	25.5	28.4	34.0	40.1	43.1	48.3	52.0	53.1	55.1	56.0	56.0	56.3	56.5	56.7	56.9
GE 5000	25.2	27.4	30.8	36.5	42.7	46.0	51.4	55.2	56.2	58.2	59.1	59.1	59.5	59.6	59.8	60.0
GE 4500	25.7	28.0	31.5	37.4	43.8	47.1	52.5	56.2	57.3	59.2	60.2	60.2	60.5	60.6	60.9	61.1
GE 4000	27.2	29.8	33.4	39.5	45.9	49.2	54.9	58.7	59.8	61.7	62.7	62.7	63.0	63.1	63.3	63.5
GE 3500	27.4	30.0	33.7	39.9	46.6	49.9	55.8	59.6	60.6	62.6	63.5	63.5	63.9	64.0	64.2	64.4
GE 3000	28.4	31.0	34.9	41.4	48.6	52.2	58.1	61.9	63.0	64.9	65.9	65.9	66.2	66.3	66.6	66.8
GE 2500	28.5	31.2	35.4	42.0	49.6	53.3	59.5	63.4	64.5	66.5	67.4	67.4	67.7	67.8	68.1	68.3
GE 2000	28.5	31.2	35.6	42.6	50.5	54.3	60.6	64.6	65.7	67.6	68.6	68.6	68.9	69.0	69.2	69.5
GE 1800	28.5	31.2	35.7	42.7	50.6	54.4	60.8	64.7	65.8	67.7	68.7	68.7	69.0	69.1	69.4	69.6
GE 1500	28.8	31.5	36.1	43.2	51.8	55.8	62.6	66.6	67.6	69.6	70.5	70.5	70.9	71.0	71.2	71.4
GE 1200	28.8	31.5	36.3	44.0	53.0	57.1	64.3	68.3	69.4	71.3	72.3	72.3	72.6	72.7	72.9	73.1
GE 1000	29.1	31.8	37.0	45.1	55.4	59.5	67.3	71.8	72.9	74.9	76.0	76.0	76.3	76.5	76.7	76.9
GE 900	29.1	31.8	37.0	45.1	55.5	59.9	67.8	72.4	73.4	75.6	76.7	76.7	77.0	77.1	77.3	77.5
GE 800	29.2	31.9	37.2	45.3	56.5	61.3	69.9	75.1	76.1	78.4	79.5	79.5	79.8	79.9	80.1	80.3
GE 700	29.2	31.9	37.2	45.4	56.6	61.7	71.0	76.6	77.6	79.9	81.0	81.0	81.3	81.5	81.8	82.0
GE 600	29.2	31.9	37.2	45.6	57.1	62.7	72.4	79.1	80.3	82.7	83.8	83.8	84.1	84.3	84.6	84.8
GE 500	29.2	31.9	37.3	45.8	57.3	63.1	73.4	81.5	82.7	85.5	86.9	86.9	87.2	87.5	87.8	88.2
GE 400	29.2	31.9	37.3	45.8	57.3	63.1	73.5	83.4	84.6	88.0	90.0	90.0	90.8	91.1	91.6	91.9
GE 300	29.2	31.9	37.3	45.8	57.3	63.2	73.8	84.7	86.3	91.0	93.4	93.8	95.1	95.5	96.1	96.8
GE 200	29.2	31.9	37.3	45.8	57.3	63.2	73.8	84.7	86.5	91.3	94.0	94.5	96.1	96.8	98.1	99.7
GE 100	29.2	31.9	37.3	45.8	57.3	63.2	73.8	84.7	86.5	91.3	94.0	94.5	96.1	96.9	98.2	100.0
GE 000	29.2	31.9	37.3	45.8	57.3	63.2	73.8	84.7	86.5	91.3	94.0	94.5	96.1	96.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.4	20.0	22.6	25.4	33.3	34.3	38.9	42.5	43.0	43.7	43.7	43.7	43.7	43.7	43.7	43.8
GE 20000	20.5	22.2	25.2	29.6	38.4	39.4	44.9	48.5	49.0	49.7	49.7	49.7	49.8	49.8	49.9	50.0
GE 18000	20.6	22.3	25.5	29.9	38.9	39.9	45.6	49.1	49.7	50.5	50.5	50.5	50.6	50.6	50.8	50.9
GE 16000	20.6	22.3	25.5	29.9	39.0	40.0	45.7	49.2	49.8	50.8	50.8	50.8	50.9	50.9	51.0	51.1
GE 14000	21.7	23.4	26.9	31.6	40.9	42.4	48.3	51.8	52.4	53.4	53.4	53.4	53.5	53.5	53.7	53.8
GE 12000	23.2	25.2	29.2	34.5	44.1	45.6	51.5	55.1	55.6	56.7	56.7	56.7	56.8	56.8	56.9	57.0
GE 10000	25.8	27.8	32.2	38.1	47.8	49.6	55.9	59.5	60.1	61.3	61.3	61.4	61.5	61.5	61.6	61.7
GE 9000	26.0	28.1	32.4	38.3	48.1	49.8	56.1	59.7	60.3	61.5	61.6	61.7	61.8	61.8	61.9	62.0
GE 8000	28.4	30.6	35.1	41.1	51.2	52.9	59.6	63.2	63.9	65.1	65.2	65.3	65.4	65.4	65.5	65.6
GE 7000	28.9	31.2	35.6	41.6	51.9	53.7	60.3	64.0	64.6	65.8	65.9	66.0	66.1	66.1	66.2	66.3
GE 6000	29.1	31.5	36.0	42.0	52.5	54.2	60.9	64.5	65.2	66.3	66.5	66.6	66.7	66.7	66.8	66.9
GE 5000	29.7	32.4	37.2	43.4	54.0	55.8	62.6	66.2	66.9	68.1	68.2	68.3	68.4	68.4	68.5	68.6
GE 4500	29.7	32.4	37.2	43.4	54.3	56.1	63.1	66.8	67.4	68.6	68.7	68.8	68.9	68.9	69.0	69.1
GE 4000	31.7	34.6	39.6	46.1	57.3	59.1	66.2	70.2	70.9	72.2	72.3	72.4	72.5	72.5	72.6	72.7
GE 3500	32.0	34.9	40.1	46.7	58.1	59.9	67.4	71.4	72.0	73.3	73.4	73.5	73.7	73.7	73.8	73.9
GE 3000	32.6	35.5	41.0	48.1	59.9	61.7	69.2	73.3	74.0	75.4	75.5	75.6	75.8	75.8	75.9	76.0
GE 2500	32.9	35.8	41.7	48.8	60.9	62.7	70.4	74.5	75.2	76.6	76.7	76.8	77.0	77.0	77.1	77.2
GE 2000	32.9	35.9	42.2	49.6	61.8	63.7	71.4	75.5	76.1	77.5	77.6	77.7	78.0	78.0	78.1	78.2
GE 1800	32.9	35.9	42.2	49.6	61.8	63.7	71.4	75.5	76.1	77.5	77.6	77.7	78.0	78.0	78.1	78.2
GE 1500	33.3	36.5	43.0	50.6	63.5	65.4	74.3	78.4	79.0	80.4	80.5	80.6	80.9	80.9	81.0	81.1
GE 1200	33.3	36.5	43.0	50.6	64.1	66.0	75.2	79.2	79.9	81.3	81.4	81.5	81.7	81.7	81.8	81.9
GE 1000	33.3	36.5	43.1	51.2	65.4	68.0	77.6	81.7	82.4	84.0	84.1	84.2	84.4	84.4	84.5	84.6
GE 900	33.3	36.5	43.1	51.2	65.6	68.3	78.1	82.2	82.8	84.4	84.5	84.6	84.8	84.8	84.9	85.1
GE 800	33.3	36.5	43.1	51.2	65.8	68.6	78.6	82.7	83.3	84.9	85.1	85.2	85.4	85.4	85.5	85.6
GE 700	33.3	36.5	43.1	51.2	65.8	69.0	79.9	84.2	84.9	86.6	86.7	86.8	87.1	87.1	87.2	87.3
GE 600	33.3	36.5	43.1	51.2	65.8	69.0	80.9	85.4	86.2	88.4	88.5	88.6	88.9	88.9	89.0	89.1
GE 500	33.3	36.5	43.1	51.2	65.9	69.7	82.0	87.2	88.3	91.5	91.7	91.8	92.2	92.2	92.4	92.5
GE 400	33.3	36.5	43.1	51.2	65.9	69.9	82.7	88.1	89.1	93.0	93.3	93.4	93.8	93.8	94.0	94.1
GE 300	33.3	36.5	43.1	51.2	65.9	69.9	82.7	89.5	90.8	95.4	96.2	96.3	97.1	97.1	97.7	98.2
GE 200	33.3	36.5	43.1	51.2	65.9	69.9	82.7	89.5	90.8	95.4	96.3	96.6	97.6	97.8	98.6	99.9
GE 100	33.3	36.5	43.1	51.2	65.9	69.9	82.7	89.5	90.8	95.4	96.3	96.6	97.6	97.8	98.6	100.0
GE 000	33.3	36.5	43.1	51.2	65.9	69.9	82.7	89.5	90.8	95.4	96.3	96.6	97.6	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.9	24.1	26.6	28.5	34.6	36.5	40.0	44.5	45.3	46.7	47.1	47.2	47.7	47.7	47.7	48.2
GE 20000	22.7	24.8	27.7	29.9	36.5	38.3	41.9	47.1	48.1	49.8	50.2	50.3	50.9	50.9	50.9	51.3
GE 18000	23.2	25.4	28.4	30.5	37.1	38.9	42.7	47.8	48.8	50.5	51.0	51.1	51.6	51.6	51.6	52.0
GE 16000	23.2	25.6	28.6	30.8	37.3	39.1	42.9	48.1	49.0	50.9	51.3	51.4	51.9	51.9	51.9	52.4
GE 14000	24.3	26.7	30.0	32.2	38.7	40.9	44.6	49.9	50.9	52.8	53.2	53.3	53.9	53.9	53.9	54.3
GE 12000	25.8	28.5	32.0	34.4	41.1	43.2	47.0	52.3	53.2	55.2	55.6	55.7	56.2	56.2	56.2	56.7
GE 10000	28.3	31.0	34.7	37.1	43.9	46.0	50.3	55.6	56.6	58.6	59.0	59.4	59.9	59.9	59.9	60.3
GE 9000	28.4	31.1	34.8	37.2	44.0	46.1	50.4	55.7	56.7	58.8	59.2	59.6	60.1	60.1	60.1	60.5
GE 8000	30.4	33.1	37.0	39.4	46.2	48.4	52.7	58.0	58.9	61.1	61.6	61.9	62.5	62.5	62.5	62.9
GE 7000	30.6	33.3	37.7	40.1	47.0	49.1	53.4	58.7	59.7	61.8	62.4	62.7	63.2	63.2	63.2	63.7
GE 6000	31.0	33.7	38.2	40.5	47.4	49.6	53.9	59.1	60.1	62.3	62.8	63.1	63.7	63.7	63.7	64.1
GE 5000	32.8	35.5	40.0	42.4	49.6	51.7	56.2	61.5	62.5	64.6	65.2	65.5	66.0	66.0	66.0	66.5
GE 4500	33.0	35.7	40.5	43.0	50.4	52.6	57.3	62.6	63.5	65.7	66.2	66.6	67.1	67.1	67.1	67.5
GE 4000	34.4	37.3	42.5	44.9	52.8	54.9	59.8	65.3	66.2	68.5	69.0	69.4	69.9	69.9	69.9	70.3
GE 3500	34.9	37.8	43.1	45.6	53.8	55.9	60.9	66.3	67.3	69.6	70.1	70.4	71.0	71.0	71.0	71.4
GE 3000	35.1	38.2	44.1	46.9	55.7	58.0	63.1	68.7	69.7	71.9	72.6	72.9	73.4	73.4	73.4	73.9
GE 2500	35.5	38.6	45.1	48.0	56.8	59.0	64.2	70.0	71.0	73.2	73.9	74.2	74.7	74.7	74.7	75.2
GE 2000	35.8	38.9	45.4	48.4	57.2	59.5	64.6	70.4	71.4	73.7	74.3	74.6	75.2	75.2	75.2	75.6
GE 1800	35.8	38.9	45.4	48.4	57.2	59.6	64.7	70.5	71.5	73.8	74.4	74.7	75.3	75.3	75.3	75.7
GE 1500	36.0	39.1	45.7	48.9	57.8	60.3	65.9	71.8	72.8	75.1	75.7	76.0	76.6	76.6	76.6	77.0
GE 1200	36.1	39.2	45.9	49.2	58.3	61.1	66.8	72.8	73.8	76.1	76.8	77.1	77.6	77.6	77.6	78.1
GE 1000	36.2	39.4	46.1	49.9	59.2	62.7	68.5	74.7	75.7	78.1	78.7	79.0	79.6	79.6	79.6	80.0
GE 900	36.2	39.4	46.1	49.9	59.4	62.8	68.7	74.9	75.9	78.3	78.9	79.2	79.8	79.8	79.8	80.2
GE 800	36.2	39.4	46.6	50.4	60.1	63.5	69.8	76.1	77.1	79.5	80.1	80.4	81.0	81.0	81.1	81.5
GE 700	36.2	39.4	46.6	50.4	60.1	63.5	70.5	77.1	78.1	80.5	81.3	81.6	82.2	82.2	82.3	82.7
GE 600	36.2	39.4	46.6	50.4	60.1	63.9	71.5	78.8	79.8	82.5	83.2	83.5	84.1	84.1	84.2	84.6
GE 500	36.2	39.4	46.6	50.4	60.1	64.0	72.0	79.7	80.6	83.8	84.6	84.9	85.5	85.5	85.6	86.0
GE 400	36.2	39.4	46.6	50.4	60.1	64.1	72.3	81.0	82.3	85.9	87.5	88.0	88.6	88.6	88.7	89.1
GE 300	36.2	39.4	46.6	50.4	60.1	64.1	72.3	81.4	82.8	87.4	89.8	90.2	91.1	91.2	91.6	92.4
GE 200	36.2	39.4	46.6	50.4	60.1	64.1	72.3	81.4	82.8	87.4	90.1	90.5	92.2	93.1	93.9	96.5
GE 100	36.2	39.4	46.6	50.4	60.1	64.1	72.3	81.4	83.0	87.6	90.3	90.8	92.4	93.3	94.4	99.0
GE 000	36.2	39.4	46.6	50.4	60.1	64.1	72.3	81.4	83.0	87.6	90.3	90.8	92.4	93.3	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.5	19.6	22.8	24.7	28.3	30.2	32.7	36.2	37.1	39.7	41.1	41.3	42.0	42.2	43.1	43.9
GE 20000	19.1	20.3	23.7	25.8	29.5	31.4	33.9	37.6	38.6	41.7	43.3	43.5	44.4	44.5	45.8	46.6
GE 18000	19.6	20.8	24.1	26.2	29.9	31.8	34.3	38.2	39.1	42.4	44.0	44.2	45.1	45.2	46.5	47.2
GE 16000	19.6	20.8	24.1	26.2	29.9	31.8	34.3	38.2	39.1	42.4	44.0	44.2	45.1	45.2	46.5	47.2
GE 14000	20.4	21.6	24.9	27.2	31.0	33.0	35.5	39.4	40.3	43.5	45.2	45.4	46.2	46.3	47.6	48.4
GE 12000	22.8	24.0	27.3	29.7	33.4	35.5	38.3	42.2	43.1	46.3	48.0	48.2	49.0	49.1	50.4	51.2
GE 10000	24.6	26.0	29.7	32.5	36.2	38.3	41.2	45.3	46.2	49.5	51.1	51.3	52.2	52.3	53.5	54.3
GE 9000	24.9	26.3	30.0	32.9	36.7	38.7	41.6	45.7	46.7	49.9	51.5	51.7	52.6	52.7	54.0	54.7
GE 8000	26.9	28.4	32.2	35.2	39.4	41.4	44.3	48.5	49.5	52.7	54.4	54.6	55.5	55.6	56.9	57.6
GE 7000	27.1	28.6	32.5	35.5	39.7	41.7	44.6	48.8	49.8	53.0	54.7	54.9	55.8	55.9	57.2	58.0
GE 6000	27.4	28.9	33.0	36.1	40.3	42.4	45.3	49.5	50.4	53.7	55.4	55.6	56.5	56.6	57.8	58.6
GE 5000	29.7	31.2	35.6	38.8	43.1	45.2	48.2	52.4	53.3	56.6	58.4	58.6	59.5	59.6	60.9	61.6
GE 4500	30.9	32.4	36.8	40.0	44.3	46.3	49.4	53.5	54.5	57.7	59.6	59.8	60.8	60.9	62.2	62.9
GE 4000	32.0	33.9	38.7	42.3	46.6	48.6	51.7	55.9	57.1	60.3	62.3	62.5	63.7	63.8	65.1	65.8
GE 3500	32.4	34.2	39.0	42.8	47.1	49.1	52.5	56.7	57.8	61.1	63.0	63.2	64.4	64.5	65.8	66.6
GE 3000	32.9	34.7	40.1	43.9	48.4	50.4	53.8	58.0	59.1	62.4	64.3	64.5	65.7	65.8	67.1	67.8
GE 2500	33.2	35.1	40.4	44.3	48.8	50.9	54.2	58.4	59.6	62.8	64.7	64.9	66.1	66.2	67.5	68.3
GE 2000	33.7	35.5	41.1	45.3	50.0	52.0	55.5	59.7	60.9	64.1	66.0	66.2	67.4	67.5	68.8	69.6
GE 1800	33.8	35.6	41.3	45.5	50.2	52.3	55.8	60.1	61.3	64.5	66.5	66.7	67.8	68.0	69.2	70.0
GE 1500	33.9	35.7	41.4	45.7	50.6	52.8	56.3	60.6	61.8	65.1	67.0	67.2	68.4	68.5	69.8	70.5
GE 1200	33.9	35.7	41.5	45.9	51.0	53.2	56.9	61.4	62.6	65.8	67.7	68.0	69.1	69.2	70.5	71.3
GE 1000	34.0	35.8	41.9	46.6	51.9	54.7	58.5	63.1	64.3	67.5	69.6	69.8	71.0	71.1	72.4	73.1
GE 900	34.0	35.8	41.9	46.6	52.2	55.2	59.0	63.7	64.8	68.1	70.2	70.4	71.6	71.7	73.0	73.8
GE 800	34.0	35.8	42.0	46.7	52.7	55.9	60.1	64.8	66.0	69.2	71.4	71.6	72.8	72.9	74.2	74.9
GE 700	34.0	35.8	42.0	46.8	53.0	56.2	61.4	66.2	67.4	70.9	73.0	73.2	74.4	74.5	75.8	76.6
GE 600	34.0	35.8	42.0	46.8	53.2	56.5	61.7	66.7	67.8	71.3	73.4	73.7	74.8	74.9	76.2	77.0
GE 500	34.0	35.8	42.0	47.1	53.5	56.8	62.2	68.4	69.6	73.7	75.9	76.1	77.4	77.5	78.8	79.6
GE 400	34.0	35.8	42.0	47.1	53.5	56.8	62.3	69.2	70.4	74.8	77.2	77.4	78.8	78.9	80.2	81.2
GE 300	34.0	35.8	42.0	47.1	53.5	56.9	62.5	69.7	71.1	76.2	79.5	79.7	81.7	81.8	83.4	84.7
GE 200	34.0	35.8	42.0	47.1	53.5	56.9	62.6	69.9	71.3	77.0	80.4	80.8	83.7	84.0	86.8	92.6
GE 100	34.0	35.8	42.0	47.1	53.5	56.9	62.6	69.9	71.4	77.1	80.5	80.9	83.8	84.1	87.1	98.5
GE 000	34.0	35.8	42.0	47.1	53.5	56.9	62.6	69.9	71.4	77.1	80.5	80.9	83.8	84.1	87.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.0	17.3	19.2	21.0	24.7	26.2	28.9	31.9	32.6	34.3	35.4	35.6	36.8	37.0	37.4	38.5
GE 20000	17.3	18.7	20.8	22.9	27.1	28.6	31.6	35.1	35.8	37.8	39.0	39.3	40.6	40.8	41.3	42.7
GE 18000	17.6	19.0	21.2	23.3	27.5	29.0	32.1	35.6	36.3	38.4	39.7	39.9	41.2	41.4	42.0	43.3
GE 16000	17.7	19.0	21.3	23.4	27.6	29.1	32.2	35.7	36.4	38.5	39.7	40.0	41.3	41.5	42.1	43.4
GE 14000	18.4	19.8	22.2	24.4	28.6	30.3	33.4	37.0	37.7	39.8	41.1	41.3	42.7	42.9	43.5	44.8
GE 12000	19.7	21.3	23.9	26.4	30.8	32.6	35.8	39.4	40.1	42.3	43.6	43.8	45.1	45.4	45.9	47.3
GE 10000	21.7	23.4	26.3	29.0	33.6	35.4	38.8	42.6	43.4	45.7	47.0	47.3	48.6	48.9	49.4	50.8
GE 9000	21.9	23.7	26.5	29.3	33.8	35.7	39.1	42.8	43.7	46.0	47.4	47.6	49.0	49.2	49.8	51.2
GE 8000	23.9	25.8	28.8	31.7	36.6	38.6	42.1	46.0	46.8	49.2	50.6	50.9	52.2	52.4	53.0	54.4
GE 7000	24.4	26.3	29.4	32.3	37.3	39.2	42.8	46.7	47.5	49.9	51.3	51.6	52.9	53.1	53.7	55.1
GE 6000	24.7	26.6	29.8	32.8	37.8	39.7	43.3	47.2	48.1	50.5	51.9	52.2	53.5	53.7	54.3	55.7
GE 5000	26.2	28.3	31.6	34.8	40.0	42.0	45.8	49.7	50.6	53.0	54.4	54.7	56.0	56.3	56.9	58.3
GE 4500	26.7	28.8	32.2	35.4	40.8	42.8	46.7	50.6	51.4	53.9	55.3	55.5	56.9	57.2	57.7	59.2
GE 4000	28.3	30.6	34.2	37.7	43.3	45.3	49.5	53.5	54.4	56.9	58.3	58.6	60.0	60.3	60.8	62.2
GE 3500	28.6	31.0	34.6	38.3	44.0	46.0	50.4	54.4	55.3	57.8	59.3	59.5	61.0	61.2	61.8	63.2
GE 3000	29.2	31.6	35.5	39.4	45.4	47.5	52.0	56.2	57.1	59.7	61.1	61.4	62.8	63.1	63.6	65.1
GE 2500	29.5	31.9	36.0	40.0	46.1	48.3	52.9	57.3	58.2	60.8	62.2	62.5	64.0	64.2	64.8	66.2
GE 2000	29.7	32.1	36.4	40.5	46.9	49.1	53.9	58.3	59.2	61.8	63.3	63.6	65.0	65.2	65.8	67.2
GE 1800	29.7	32.2	36.5	40.6	47.0	49.3	54.1	58.6	59.5	62.1	63.6	63.9	65.3	65.5	66.1	67.5
GE 1500	30.0	32.5	36.9	41.3	47.9	50.4	55.5	60.1	61.0	63.7	65.1	65.4	66.9	67.1	67.7	69.1
GE 1200	30.1	32.5	37.0	41.5	48.5	51.0	56.3	60.9	61.9	64.6	66.0	66.3	67.8	68.0	68.6	70.0
GE 1000	30.2	32.7	37.3	42.1	49.6	52.3	57.9	62.7	63.7	66.4	68.0	68.2	69.7	70.0	70.5	71.9
GE 900	30.3	32.7	37.4	42.1	49.7	52.6	58.3	63.2	64.1	66.9	68.4	68.7	70.2	70.4	71.0	72.4
GE 800	30.3	32.7	37.5	42.3	50.2	53.3	59.2	64.2	65.3	68.1	69.6	69.9	71.4	71.6	72.2	73.6
GE 700	30.3	32.8	37.5	42.4	50.4	53.6	60.1	65.3	66.4	69.2	70.8	71.1	72.6	72.9	73.5	74.9
GE 600	30.3	32.8	37.6	42.5	50.7	54.1	60.9	66.5	67.7	70.7	72.3	72.6	74.2	74.4	75.0	76.4
GE 500	30.3	32.8	37.6	42.6	50.9	54.4	61.6	67.9	69.2	72.7	74.4	74.7	76.3	76.6	77.2	78.7
GE 400	30.3	32.8	37.6	42.6	50.9	54.5	62.0	68.9	70.3	74.3	76.5	76.8	78.6	78.9	79.6	81.2
GE 300	30.3	32.8	37.6	42.6	50.9	54.6	62.2	69.7	71.3	76.1	79.1	79.6	81.9	82.3	83.5	85.8
GE 200	30.3	32.8	37.6	42.6	50.9	54.6	62.3	69.8	71.5	76.6	79.9	80.5	83.5	84.7	86.7	93.3
GE 100	30.3	32.8	37.6	42.6	50.9	54.6	62.3	69.8	71.5	76.7	80.1	80.8	83.9	85.2	87.8	99.0
GE 000	30.3	32.8	37.6	42.6	50.9	54.6	62.3	69.8	71.5	76.7	80.1	80.8	83.9	85.2	87.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.6	62.7	64.8	66.2	67.9	68.3	69.0	69.7	69.8	70.2	70.4	70.5	70.7	70.7	70.9	71.2
GE 20000	65.0	67.2	69.6	71.3	73.2	73.6	74.5	75.3	75.4	75.9	76.1	76.2	76.4	76.5	76.6	77.0
GE 18000	65.3	67.5	69.9	71.6	73.5	74.0	74.9	75.7	75.8	76.3	76.5	76.6	76.8	76.9	77.0	77.4
GE 16000	65.3	67.6	70.0	71.7	73.6	74.1	75.0	75.8	75.9	76.4	76.7	76.7	77.0	77.0	77.2	77.5
GE 14000	66.2	68.6	71.1	72.8	74.7	75.2	76.2	76.9	77.1	77.6	77.8	77.9	78.1	78.2	78.3	78.7
GE 12000	67.7	70.1	72.7	74.5	76.5	77.0	78.0	78.8	79.0	79.5	79.8	79.8	80.0	80.1	80.3	80.6
GE 10000	69.7	72.1	74.8	76.7	78.9	79.4	80.5	81.3	81.5	82.0	82.3	82.3	82.6	82.6	82.8	83.2
GE 9000	69.9	72.3	75.0	76.9	79.1	79.7	80.7	81.6	81.7	82.3	82.6	82.6	82.9	82.9	83.1	83.5
GE 8000	71.5	74.0	76.8	78.8	81.1	81.6	82.8	83.7	83.8	84.4	84.7	84.7	85.0	85.0	85.2	85.6
GE 7000	71.9	74.5	77.3	79.3	81.6	82.2	83.4	84.2	84.4	85.0	85.2	85.3	85.6	85.6	85.8	86.2
GE 6000	72.1	74.7	77.6	79.6	82.0	82.5	83.7	84.6	84.8	85.3	85.6	85.7	85.9	86.0	86.1	86.5
GE 5000	73.0	75.6	78.6	80.6	83.0	83.6	84.8	85.8	85.9	86.5	86.8	86.8	87.1	87.1	87.3	87.7
GE 4500	73.6	76.2	79.2	81.3	83.7	84.3	85.6	86.5	86.6	87.2	87.5	87.6	87.8	87.9	88.0	88.4
GE 4000	74.8	77.5	80.5	82.7	85.2	85.8	87.1	88.0	88.2	88.8	89.1	89.1	89.4	89.4	89.6	90.0
GE 3500	75.4	78.1	81.2	83.4	86.0	86.6	87.9	88.9	89.0	89.6	89.9	90.0	90.2	90.3	90.5	90.9
GE 3000	76.4	79.1	82.4	84.6	87.4	88.0	89.3	90.3	90.5	91.1	91.4	91.5	91.7	91.8	91.9	92.3
GE 2500	76.7	79.4	82.8	85.1	87.8	88.5	89.8	90.8	91.0	91.6	91.9	92.0	92.2	92.3	92.5	92.9
GE 2000	76.8	79.6	83.0	85.4	88.1	88.8	90.2	91.2	91.4	92.0	92.3	92.4	92.7	92.7	92.9	93.3
GE 1800	76.9	79.6	83.0	85.4	88.2	88.9	90.3	91.3	91.5	92.1	92.4	92.4	92.7	92.8	92.9	93.3
GE 1500	77.0	79.8	83.2	85.6	88.5	89.2	90.6	91.7	91.9	92.5	92.8	92.9	93.1	93.2	93.4	93.8
GE 1200	77.0	79.8	83.3	85.7	88.6	89.4	90.9	91.9	92.1	92.8	93.1	93.1	93.4	93.4	93.6	94.0
GE 1000	77.1	79.9	83.4	85.8	88.9	89.6	91.2	92.3	92.5	93.1	93.5	93.5	93.8	93.9	94.0	94.4
GE 900	77.1	79.9	83.4	85.9	88.9	89.7	91.3	92.4	92.6	93.3	93.6	93.6	93.9	94.0	94.1	94.5
GE 800	77.1	79.9	83.4	85.9	89.1	89.9	91.5	92.7	92.9	93.6	93.9	94.0	94.2	94.3	94.5	94.9
GE 700	77.1	80.0	83.5	86.0	89.2	90.1	91.8	93.1	93.3	94.0	94.3	94.3	94.6	94.7	94.8	95.2
GE 600	77.1	80.0	83.5	86.0	89.3	90.2	92.0	93.3	93.5	94.3	94.6	94.7	94.9	95.0	95.2	95.6
GE 500	77.1	80.0	83.5	86.1	89.3	90.3	92.3	93.7	94.0	94.8	95.2	95.2	95.5	95.6	95.8	96.2
GE 400	77.1	80.0	83.5	86.1	89.3	90.3	92.4	94.0	94.3	95.2	95.6	95.6	96.0	96.0	96.2	96.7
GE 300	77.1	80.0	83.5	86.1	89.4	90.3	92.5	94.1	94.5	95.5	96.1	96.2	96.6	96.7	97.0	97.6
GE 200	77.1	80.0	83.5	86.1	89.4	90.3	92.5	94.2	94.5	95.6	96.2	96.4	96.9	97.2	97.6	99.0
GE 100	77.1	80.0	83.5	86.1	89.4	90.3	92.5	94.2	94.5	95.6	96.3	96.4	97.0	97.3	97.8	99.9
GE 000	77.1	80.0	83.5	86.1	89.4	90.3	92.5	94.2	94.5	95.6	96.3	96.4	97.0	97.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	18.6	17.4	10.0	40.5	13.4	64.0	34.0	930
03-05	14.8	17.7	10.8	39.6	17.1	67.4	34.9	930
06-08	7.1	17.2	19.7	35.3	20.8	75.7	36.7	930
09-11	2.5	20.0	23.7	38.5	15.4	77.5	39.6	930
12-14	3.1	23.2	27.5	42.0	4.1	73.7	38.3	930
15-17	4.9	24.9	28.4	40.6	1.1	70.1	35.1	930
18-20	13.3	26.0	20.9	36.3	3.4	60.6	29.1	930
21-23	19.4	20.3	15.9	36.2	8.2	60.3	29.0	930
ALL HOURS	10.5	20.9	19.6	38.6	10.4	68.7	34.6	7440

MONTH: FEB HOURS: ALL

00-02	32.4	21.9	17.4	25.4	3.0	45.7	13.9	846
03-05	30.1	22.6	15.8	25.5	5.9	47.3	14.8	846
06-08	13.1	31.9	25.1	22.9	7.0	55.0	19.7	846
09-11	7.6	32.7	26.6	28.1	5.0	59.7	20.9	846
12-14	7.0	30.9	30.4	30.7	1.1	62.2	15.2	846
15-17	7.7	31.6	31.8	29.0		60.8	12.1	846
18-20	16.8	35.8	24.5	22.9		47.4	12.2	846
21-23	28.0	29.9	16.7	24.2	1.2	42.1	12.6	846
ALL HOURS	17.8	29.7	23.5	26.1	2.9	52.5	15.2	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	33.4	26.9	14.5	24.0	1.2	39.7	2.2	930
03-05	32.5	22.7	19.5	23.7	1.7	44.8	4.4	930
06-08	10.0	37.4	27.4	23.0	2.2	52.6	7.8	930
09-11	8.0	34.9	28.9	27.1	1.1	57.1	4.9	930
12-14	3.7	35.8	35.3	24.9	.3	60.5	4.0	930
15-17	2.6	36.3	32.7	28.4		61.1	4.1	930
18-20	10.3	35.1	29.8	24.8		54.6	2.5	930
21-23	27.7	27.7	19.6	24.9		44.5	2.2	930
ALL HOURS	16.0	32.1	26.0	25.1	.8	51.9	4.0	7440

MONTH: APR HOURS: ALL

00-02	42.1	25.9	20.0	12.0		32.0	1.0	900
03-05	34.2	33.2	18.0	14.6		32.6	2.0	900
06-08	14.7	42.1	27.1	16.1		43.2	2.8	900
09-11	9.9	43.8	28.1	18.2		46.3	1.8	900
12-14	4.4	44.4	29.9	21.2		51.1	1.8	900
15-17	4.1	43.0	33.9	19.0		52.9	.6	900
18-20	12.3	43.9	27.9	15.9		43.8	.3	900
21-23	36.3	32.1	17.7	13.9		31.6		900
ALL HOURS	19.8	38.6	25.3	16.4		41.7	1.3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	57.0	27.1	11.5	4.4	15.9		930
03-05	38.1	41.5	15.1	5.4	20.4		930
06-08	26.5	44.1	20.5	8.9	29.5		930
09-11	18.5	49.4	20.5	11.6	32.2		930
12-14	8.0	59.5	20.4	12.2	32.6	.2	930
15-17	5.8	58.7	24.2	11.3	35.5		930
18-20	14.8	53.8	24.7	6.7	31.4		930
21-23	47.4	35.4	11.2	6.0	17.2		930
ALL HOURS	27.0	46.2	18.5	8.3	26.8	.0	7440

MONTH: JUN HOURS: ALL

00-02	63.1	26.2	8.2	2.4	10.7		900
03-05	42.8	43.7	10.7	2.9	13.6		900
06-08	30.7	51.7	14.2	3.4	17.7	.7	900
09-11	25.3	58.2	12.3	4.1	16.4	.8	900
12-14	10.3	71.2	14.7	3.8	18.4	1.4	900
15-17	9.3	70.3	17.0	3.3	20.3	1.2	900
18-20	17.6	62.2	17.0	3.2	20.2	.3	900
21-23	50.0	38.8	9.4	1.8	11.2		900
ALL HOURS	31.1	52.8	12.9	3.1	16.1	.6	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	
00-02	72.5	19.7	6.6	1.3	930
03-05	54.0	35.5	9.0	1.5	930
06-08	41.7	47.4	9.4	1.5	930
09-11	37.6	51.6	8.6	2.2	930
12-14	22.0	64.2	12.2	1.6	930
15-17	20.3	67.2	10.8	1.7	930
18-20	30.2	57.1	11.7	1.0	930
21-23	63.8	29.4	6.7	.2	930
ALL HOURS	42.8	46.5	9.4	1.4	7440

MONTH: AUG HOURS: ALL

00-02	69.8	22.6	6.1	1.5	930
03-05	57.8	33.4	8.0	.8	930
06-08	36.7	50.9	11.8	.6	930
09-11	33.1	55.6	9.7	1.6	930
12-14	16.9	70.0	11.5	1.6	930
15-17	12.9	75.1	10.8	1.3	930
18-20	29.9	60.2	9.1	.8	930
21-23	62.3	32.5	4.5	.8	930
ALL HOURS	29.9	50.0	8.9	1.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST			
00-02	65.0	21.8	8.1	5.1	13.2	1.1	900
03-05	59.4	26.4	9.2	4.9	14.1	1.6	900
06-08	34.8	46.2	15.3	3.7	19.0	4.6	900
09-11	33.8	46.9	14.1	5.2	19.3	5.0	900
12-14	27.3	50.2	16.9	5.6	22.4	4.2	900
15-17	24.4	53.7	15.9	6.0	21.9	4.3	898
18-20	37.9	41.4	15.4	5.4	20.7	3.0	897
21-23	61.3	23.4	8.9	6.4	15.3	1.9	897
ALL HOURS	43.0	38.8	13.0	5.3	18.3	3.2	7192

MONTH: OCT HOURS: ALL

00-02	61.4	20.1	10.1	8.4	18.5	3.3	930
03-05	61.9	19.5	9.1	9.4	.1	18.6	930
06-08	24.8	49.9	18.5	6.5	.3	25.3	930
09-11	27.6	45.5	18.6	8.3	26.9	12.2	930
12-14	24.7	44.7	19.1	11.4	30.5	8.8	930
15-17	21.1	46.3	23.0	9.6	32.6	7.7	930
18-20	37.3	38.2	15.1	9.5	24.5	4.5	930
21-23	54.7	24.2	11.2	9.9	21.1	2.9	930
ALL HOURS	39.2	36.0	15.6	9.1	.1	24.7	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	38.0	21.1	16.3	22.0	2.6	40.9	20.1	900
03-05	34.4	21.1	15.1	24.8	4.6	44.4	22.8	900
06-08	12.1	35.4	24.6	22.4	5.4	52.4	26.8	900
09-11	8.8	35.2	27.1	26.4	2.4	56.0	26.6	900
12-14	8.7	32.8	30.1	28.3	.1	58.6	22.4	900
15-17	7.8	35.3	31.4	25.4		56.9	19.9	900
18-20	20.9	35.2	19.6	23.9	.4	43.9	12.6	900
21-23	31.0	29.3	17.4	21.1	1.1	39.7	15.7	900
ALL HOURS	20.2	30.7	22.7	24.3	2.1	49.1	20.8	7200

MONTH: DEC HOURS: ALL

00-02	17.8	16.7	15.3	29.0	21.2	65.5	31.8	930
03-05	15.3	13.9	12.8	32.8	25.3	70.9	30.3	930
06-08	6.5	16.1	15.8	35.2	26.5	77.4	32.6	930
09-11	2.0	19.8	21.8	39.5	16.9	78.2	38.8	930
12-14	1.7	23.8	25.6	43.5	5.4	74.5	42.4	930
15-17	4.1	27.2	27.5	37.6	3.5	68.7	40.1	930
18-20	12.4	27.5	17.6	34.9	7.5	60.1	36.0	930
21-23	17.8	18.8	14.7	33.4	15.2	63.3	31.7	930
ALL HOURS	9.7	20.5	18.9	35.8	15.2	69.8	35.5	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS	GT 1/2	PARTIAL OBS	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	47.7	22.3	12.0	14.6	3.5	30.1	9.0	10956
03-05	39.7	27.6	12.7	15.4	4.6	32.7	9.7	10956
06-08	21.6	39.2	19.1	14.9	5.2	39.2	12.1	10956
09-11	18.0	41.1	20.0	17.5	3.4	40.9	12.6	10956
12-14	11.5	46.0	22.7	18.9	.9	42.5	11.7	10956
15-17	10.4	47.6	23.9	17.7	.4	42.0	10.5	10954
18-20	21.2	43.1	19.4	15.4	1.0	35.8	8.5	10953
21-23	41.7	28.4	12.8	14.9	2.2	29.8	8.0	10953
ALL HOURS	26.5	36.9	17.8	16.2	2.6	36.6	10.3	87640

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLL STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

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OPERATING LOCATION 'A'
USAFETAC, ALEXVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611, 4712-9009
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 110						.3	.3						.0
GE 105					.2	2.6	3.0	.9	.3				.6
GE 100					.8	9.7	20.3	11.2	4.4				3.9
GE 95				.2	5.4	23.0	54.3	36.6	17.8	1.6			11.8
GE 90				2.8	16.8	42.9	80.2	67.8	40.8	7.5			21.8
GE 85			.3	8.3	32.7	65.3	93.7	88.1	63.9	19.1	.4		31.3
GE 80			1.7	21.7	53.1	84.7	98.7	97.6	83.4	38.8	1.4		40.5
GE 75	.1	.4	7.9	39.6	72.4	94.8	99.7	99.5	94.6	63.3	8.5		48.8
GE 70	.3	5.1	23.2	60.1	88.0	98.8	100.0	99.9	98.9	82.8	21.1	.1	56.9
GE 65	3.3	19.6	47.1	78.0	96.4	99.6		99.9	99.8	95.1	43.6	3.2	65.8
GE 60	14.9	48.0	75.8	91.4	99.1	100.0		99.9	99.9	99.1	67.5	17.2	76.2
GE 55	40.0	79.8	93.5	98.1	100.0			100.0	100.0	99.9	87.4	43.8	86.9
GE 50	68.8	94.5	98.9	99.9						100.0	97.8	69.9	94.1
GE 45	87.8	99.3	99.9	100.0							99.9	88.5	97.9
GE 40	97.7	100.0	100.0								100.0	97.1	99.6
GE 35	99.7											99.6	99.9
GE 33	100.0											100.0	100.0
GE 30													
MEAN	52.7	59.4	64.4	71.9	80.2	88.0	94.4	92.0	87.1	77.3	63.3	52.9	73.8
SD	6.66	6.08	6.90	8.95	8.97	8.41	6.11	6.18	7.67	7.98	7.55	6.76	16.23
TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 85							.1						.0
GE 80							.3						.0
GE 75						.6	1.9	1.2	.1				.3
GE 70					.2	4.6	12.2	7.7	2.4				2.3
GE 65					1.7	15.0	37.8	25.7	10.4	.3			7.7
GE 60	.1			.6	9.7	36.9	71.4	63.4	39.2	4.9	.2	.1	19.1
GE 55	.6	.7	1.3	6.9	33.4	73.2	96.0	93.9	78.1	26.1	2.6	.5	34.8
GE 50	5.2	8.4	10.3	31.3	72.0	96.1	100.0	100.0	96.6	62.5	14.0	5.4	50.5
GE 45	16.5	26.5	39.7	69.0	94.2	99.8			39.6	88.7	39.1	16.2	66.1
GE 40	36.2	53.7	76.0	92.8	99.5	100.0			100.0	98.3	71.9	38.8	80.7
GE 35	65.9	82.6	95.1	99.3	100.0					99.7	92.3	69.3	92.0
GE 33	75.9	90.9	98.3	100.0						99.9	96.1	77.6	94.9
GE 30	89.4	97.0	99.7							100.0	99.5	91.8	98.1
GE 25	98.7	99.8	100.0								100.0	99.7	99.8
GE 20	100.0	100.0										99.9	100.0
GE 15												100.0	100.0
MEAN	37.6	40.5	43.1	47.0	52.5	58.2	62.9	61.6	58.2	51.0	43.0	38.0	49.5
SD	6.74	6.16	5.07	5.06	5.29	5.75	5.32	4.98	4.96	5.32	5.87	6.42	10.47
TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95							.2						.0
GE 90						1.0	2.2	.6					.3
GE 85					.5	6.1	14.3	7.5	2.0				2.6
GE 80					3.2	18.5	46.7	31.5	12.8	.3			9.6
GE 75				.8	12.9	40.8	78.1	67.1	39.0	5.0			20.6
GE 70			.1	6.9	32.1	69.5	96.0	94.0	71.6	18.6			32.7
GE 65			1.5	23.0	59.4	91.7	99.9	99.7	93.5	49.1	1.6		43.7
GE 60	.9	2.5	14.0	49.8	85.3	99.1	100.0	99.9	99.2	79.0	13.7	.7	54.1
GE 55	5.6	19.9	44.7	77.8	97.8	100.0		100.0	99.9	95.1	42.5	6.0	66.1
GE 50	22.6	54.2	82.1	95.5	99.8				100.0	99.5	74.7	23.7	79.5
GE 45	52.2	86.6	97.6	99.8	100.0					100.0	94.1	57.2	90.6
GE 40	85.2	98.5	100.0	100.0							100.0	87.2	97.5
GE 35	98.7	99.9										98.3	99.7
GE 33	99.5	100.0										99.7	99.9
GE 30	100.0											100.0	100.0
MEAN	45.3	50.1	53.9	59.7	66.5	73.3	78.9	77.0	72.9	64.4	53.4	45.6	61.8
SD	5.60	4.98	4.92	6.26	6.66	6.70	5.33	5.08	5.71	5.83	5.48	5.45	12.94
TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	65	64	79	80	99	106*	109	102	99	93	80	67	109*
43	63	77	74	84	98	105	102	99	106	96	77	69	106
44	68	65	81	85	93	100	99	105	104	89	69	70	105
45	65	70	76	91	91	102	105	102	102	92	80	66	105
46	68	70	85	94	92	103	102	105	100	90	71*		105*
47												63	63*
48	70	72	74	81	90	100	105	99	102	95	78	64	105
49	61	71	74	91	96	103	105	100	102	95	89	64	105
50	75	77	79	93	101	109	109	107	106	95	83	72	109
51	64	68	82	90	105	98	107	106	103	99	81	67	107
52	65	70	82	92	98	100	104	101	104	98	82	66	104
53	73	74	84	90	93	99	105	101	105	97	80	63	105
54	64	72	71	92	96	108	107	97	98	94	75	64	108
55	57	69	76	80	97	100	102	104	106	90	80	67	106
56	59	64	78	87	93	109	107	99	97	88	79	64	109
57	59	73	80	91	96	108	103	101	102	85	70	63	108
58	65	71	67	83	94	98	103	102	101	95	78	68	103
59	68	72	80	86	92	105	110	102	96	94	77	67	110
60	65	64	86	85	96	107	108	103	98	91	79	61	108
61	65	69	75	91	87	112	111	103	98	97	76	62	112
62	61	64	77	97	96	102	106	103	97	90	78	69	106
63	63	69	74	74	94	101	99	100	105	91	71	52	105
64	61	68	80	91	91	109	104	100	96	95	69	68	109
65	64	71	78	91	97	97	103	98	92	90	74	56	103
66	63	72	85	92	99	106	104	103	100	91	81	62	106
67	61	69	72	64	100	104	106	103	93	85	79	61	106
68	65	73	81	89	94	101	104	102	94	82	68	61	104
69	64	65	78	86	96	95	104	103	102	87	79	69	104
70	67	74	80	83	102	104	107	107	100	95	76	63	107
71	63	67	74	86	88	99	103	105	100	93	74	60	105
72	57	69	84	90	99	106	110	102	96	89	73	62	110
73	62	65	68	92	106	109	106	102	95	87	76	62	109
74	69	69	71	85	99	102	105	102	100	92	70	60	105
75	65	74	69	76	98	101	102	100	100	94	72	64	102

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	68	72	78	86	104	108	104	102	100	90	81	62	108
77	61	76	75	85	97	103	104	101	103	88	74	63	104
78	61	66	74	75	95	101	103	105	99	95	78	56	105
79	58	63	71	79	96	103	104	102	101	91	74	69	104
80	69	69	73	84	94	99	104	103	95	95	80	64	104
81	71	69	68	93	90	106	102	105	98	83	76	65	106
82	58	72	70	81	97	97	101	100	99	86	71	58	101
83	63	65	73	80	94	96	107	103	103	84	73	64	107
84	64	67	76	90	105	101	104	104	101	87	72	64	105
85	55	74	72	92	89	101	102	96	91	92	74	61	102
86	67	70	77	87	94	100	99	98	94	87	79	64	100
87	63	72	74	93	98	101	97	101	98	95	70	68	101
88	73	74	85	90	98	100	104	102	101	91	78	63	104
89	65	71	73	89	93	100	106	99	98	89	74	62	106
90	63	69	77	87	96	103	105	105	98				105*
.....													
GREATEST	75	77	86	97	106	112	111	107	106	99	89	72	112
.....													
TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417
.....													

THE GREATEST VALUE OF 112 OCCURRED ON 06/15/61

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	28	30	35	38	43	50*	55	52	50	40	34	31	28*
43	25	31	36	37	41	46	54	50	52	39	32	30	25
44	31	32	32	39	43	46	52	52	49	48	35	32	31
45	25	30	33	34	42	43	54	52	45	40	32	27	25
46	26	27	36	38	46	50	51	52	50	32	30*		26*
47												28	28*
48	27	26	32	39	42	50	52	52	42	39	29	25	25
49	20	25	38	38	45	50	52	51	48	37	38	26	20
50	22	28	30	42	42	47	56	52	43	43	39	35	22
51	27	29	29	38	44	46	52	54	51	44	35	28	27
52	26	33	33	41	41	47	54	54	48	43	30	36	26
53	34	29	30	35	44	49	54	53	48	41	35	28	28
54	30	34	33	43	43	49	56	53	51	41	31	25	25
55	27	28	33	36	45	50	51	53	50	45	35	33	27
56	33	31	32	40	48	52	55	54	54	36	34	25	25
57	28	31	36	42	48	54	58	53	55	48	34	31	28
58	33	37	36	42	48	55	57	63	49	49	29	32	29
59	30	31	42	46	44	51	58	54	49	45	35	30	30
60	25	35	37	42	43	53	58	53	51	42	33	29	25
61	27	34	36	38	46	55	56	57	51	37	32	28	27
62	26	28	36	48	47	49	56	52	50	41	30	25	25
63	22	40	33	34	42	50	50	54	56	42	34	29	22
64	26	29	27	35	37	50	51	54	48	40	29	30	26
65	27	30	37	35	40	50	55	56	47	43	34	25	25
66	25	29	29	38	50	47	54	54	48	40	31	26	25
67	28	33	34	33	43	50	54	56	55	43	36	19	19
68	23	34	34	33	39	49	55	52	44	43	32	26	23
69	28	32	33	39	43	53	55	57	53	40	32	26	26
70	25	34	37	34	46	53	58	56	49	37	39	30	25
71	25	28	25	33	43	44	57	57	42	33	33	27	25
72	26	29	34	40	47	50	56	53	50	35	34	23	23
73	27	37	38	42	47	54	54	52	55	45	34	36	27
74	28	31	31	37	40	51	53	55	54	44	31	24	24
75	22	30	31	33	37	48	52	55	53	35	28	25	22

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	22	33	31	35	46	47	54	57	52	41	30	27	22
77	28	31	33	40	40	52	53	57	50	45	32	32	28
78	35	37	38	38	39	52	52	55	47	42	32	25	25
79	27	30	35	39	44	51	55	56	55	40	34	31	27
80	32	33	38	39	43	48	54	54	52	42	34	28	28
81	33	33	37	38	43	52	56	57	51	42	35	34	33
82	27	31	37	37	43	46	53	55	43	44	37	30	27
83	34	36	39	37	42	52	55	59	54	47	34	31	31
84	32	33	38	37	47	55	55	56	49	40	33	29	29
85	29	28	34	43	42	45	55	54	49	40	28	27	27
86	34	28	36	38	39	51	52	54	46	44	31	29	28
87	24	29	32	41	44	51	52	54	52	48	30	22	22
88	28	28	30	41	40	45	56	53	50	45	35	26	26
89	27	23	35	41	45	53	55	55	50	40	29	30	23
90	29	23	33	44	48	51	56	58	56				23*
.....													
LEAST	20	23	25	33	37	43	50	50	42	32	28	19	19
.....													
TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417
.....													

THE LEAST VALUE OF 19 OCCURRED ON 12/14/67

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	47	49	53	59	63	73*	79	77	71	65	55	47	61*
43	46	52	56	60	67	68	77	74	74	64	55	49	62
44	47	49	55	57	66	69	75	75	74	66	52	48	61
45	44	51	50	59	63	74	80	75	73	65	53	47	61
46	44	47	53	61	65	70	77	76	72	60	50*		62*
47												45	45*
48	50	48	51	57	62	72	76	75	72	63	53	43	60
49	39	47	53	63	65	75	77	73	74	63	58	45	61
50	44	52	54	63	68	72	81	78	72	66	59	51	63
51	47	51	55	61	68	73	78	77	74	64	56	46	63
52	46	51	51	61	69	69	80	78	75	68	53	48	62
53	51	51	54	60	63	70	82	75	75	64	55	47	62
54	46	49	52	64	69	73	82	74	72	64	52	45	62
55	42	47	54	56	67	72	77	79	74	65	52	50	61
56	49	47	55	61	68	76	79	75	74	63	54	45	62
57	43	54	56	61	66	78	81	76	74	64	53	46	63
58	47	55	53	61	70	73	78	82	76	69	55	50	64
59	50	50	59	65	66	76	82	77	71	67	56	48	64
60	47	51	58	61	66	79	82	78	74	64	51	44	63
61	42	52	55	63	66	80	84	81	72	66	53	44	63
62	41	48	55	68	66	74	80	76	72	62	54	46	62
63	41	56	52	54	64	70	76	77	75	64	51	40	60
64	45	48	52	58	62	71	78	77	69	66	50	50	61
65	46	49	53	59	66	70	78	77	69	67	55	41	61
66	44	47	55	64	70	75	76	79	73	64	55	45	62
67	46	49	53	51	67	72	81	81	74	64	56	42	61
68	43	54	54	59	65	75	78	73	71	62	52	43	61
69	45	48	53	58	69	71	81	81	76	61	53	48	62
70	49	52	56	57	70	75	83	79	74	62	56	47	64
71	44	46	52	55	61	71	80	80	72	61	52	43	60
72	41	51	59	60	69	75	78	78	71	63	51	42	62
73	46	52	53	62	73	80	79	78	73	64	54	46	63
74	47	48	54	57	66	75	79	77	76	65	51	44	62
75	42	51	51	53	67	73	76	75	75	62	50	44	60

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: +08

PERIOD OF RECORD: 4201-4611,4712-9009
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	45	51	53	57	70	73	79	74	72	66	55	46	62
77	43	52	51	63	61	76	78	77	71	65	54	49	62
78	50	50	57	55	66	71	79	79	72	69	52	40	62
79	45	47	54	59	68	74	79	76	76	66	53	48	62
80	50	53	53	59	64	70	78	76	72	66	56	46	62
81	48	50	52	59	67	79	80	78	76	62	56	48	63
82	42	50	52	57	67	69	78	78	71	64	51	45	60
83	45	52	55	56	66	73	76	79	75	66	53	50	62
84	45	49	56	58	72	75	81	78	77	60	52	45	62
85	42	50	52	62	64	75	79	74	68	61	49	40	60
86	50	52	56	58	66	73	76	76	67	63	54	44	61
87	43	50	53	64	69	74	73	76	72	68	52	46	62
88	46	52	56	60	65	73	81	76	73	67	54	44	62
89	42	48	57	64	67	74	78	76	71	64	54	43	61
90	46	46	56	64	68	75	81	79	74				65*
.....													
MEAN	45.3	50.1	53.9	59.7	66.5	73.3	78.9	77.0	72.9	64.4	53.4	45.6	61.8
.....													
TOTAL OBS	1488	1354	1488	1440	1488	1434	1488	1488	1440	1457	1395	1457	17417
.....													

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	41.2	5.966	930	0	60	0	0	0	930
03-05	40.1	6.191	930	0	103	0	0	0	930
06-08	39.6	6.303	930	0	117	0	0	0	930
09-11	43.9	6.188	930	0	13	0	0	0	930
12-14	49.5	6.871	930	0	0	14	0	0	930
15-17	50.8	6.754	930	0	0	17	0	0	930
18-20	46.0	5.572	930	0	1	0	0	0	930
21-23	42.8	5.489	930	0	15	0	0	0	930
ALL HOURS	44.2	7.271	7440	0	309	31	0	0	7440

MONTH: FEB

00-02	44.4	6.107	846	0	19	0	0	0	846
03-05	42.6	6.485	846	0	46	0	0	0	846
06-08	42.0	6.695	846	0	63	0	0	0	846
09-11	49.8	6.347	846	0	5	3	0	0	846
12-14	56.8	6.410	846	0	0	103	0	0	846
15-17	58.5	6.552	846	0	0	168	0	0	846
18-20	52.4	6.109	846	0	0	17	0	0	846
21-23	47.4	6.026	846	0	6	0	0	0	846
ALL HOURS	49.3	8.689	6768	0	139	291	0	0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: + 8 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	48.9	4.966	930	0	0	1	0	0	930
03-05	46.7	5.086	930	0	0	0	0	0	930
06-08	47.2	5.161	930	0	4	0	0	0	930
09-11	55.8	5.345	930	0	0	59	0	0	930
12-14	61.7	6.304	930	0	0	304	2	0	930
15-17	62.9	6.815	930	0	0	395	4	0	930
18-20	57.1	5.878	930	0	0	99	0	0	930
21-23	51.9	4.909	930	0	0	5	0	0	930
ALL HOURS	54.0	8.144	7440	0	4	863	6	0	7440

MONTH: APR

00-02	52.3	5.339	900	0	0	14	0	0	900
03-05	49.5	4.927	900	0	0	0	0	0	900
06-08	52.2	5.834	900	0	0	22	0	0	900
09-11	63.1	6.933	900	0	0	360	10	0	900
12-14	69.7	8.172	900	0	0	626	119	1	900
15-17	71.2	8.864	900	0	0	664	170	5	900
18-20	63.4	7.687	900	0	0	380	28	0	900
21-23	56.2	5.792	900	0	0	89	0	0	900
ALL HOURS	59.7	10.377	7200	0	0	2155	327	6	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.7	6.421	930	0	0	146	0	0	930
03-05	54.5	5.801	930	0	0	56	0	0	930
06-08	59.3	6.925	930	0	0	210	4	0	930
09-11	70.0	7.852	930	0	0	662	134	2	930
12-14	77.4	8.539	930	0	0	877	376	30	930
15-17	79.6	8.827	930	0	0	886	469	59	930
18-20	72.2	8.701	930	0	0	732	198	8	930
21-23	62.4	7.072	930	0	0	351	10	0	930
ALL HOURS	66.6	11.637	7440	0	0	3920	1191	99	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	64.2	6.146	900	0	0	419	2	0	900
03-05	60.4	5.387	900	0	0	194	0	0	900
06-08	65.7	6.792	900	0	0	481	27	0	900
09-11	76.6	7.335	900	0	0	863	335	6	900
12-14	84.4	7.638	900	0	0	894	670	150	900
15-17	87.3	7.646	900	0	0	893	780	231	900
18-20	80.5	7.949	900	0	0	874	517	59	900
21-23	69.7	6.528	900	0	0	708	72	0	900
ALL HOURS	73.6	11.711	7200	0	0	5326	2403	446	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	69.0	5.903	930	0	0	708	28	0	930
03-05	64.6	5.599	930	0	0	467	5	0	930
06-08	69.0	6.790	930	0	0	684	75	0	930
09-11	81.1	6.654	930	0	0	926	561	30	930
12-14	89.3	6.449	930	0	0	930	862	324	930
15-17	92.5	6.272	930	0	0	930	903	500	930
18-20	85.2	6.886	930	0	0	929	747	150	930
21-23	74.4	5.850	930	0	0	880	197	0	930
ALL HOURS	78.1	11.553	7440	0	0	6454	3378	1004	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	68.2	5.640	930	0	0	688	36	0	930
03-05	64.2	5.259	930	0	0	381	8	0	930
06-08	66.9	6.203	930	0	0	565	32	0	930
09-11	79.4	6.350	930	0	0	925	463	20	930
12-14	87.5	6.013	930	0	0	929	849	200	930
15-17	90.5	5.771	930	0	0	930	908	323	930
18-20	82.7	6.454	930	0	0	930	635	71	930
21-23	73.0	5.626	930	0	0	881	135	0	930
ALL HOURS	76.6	11.047	7440	0	0	6229	3066	614	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	64.1	5.970	900	0	0	425	5	0	900
03-05	60.7	5.503	900	0	0	206	0	0	900
06-08	62.4	6.347	900	0	0	309	3	0	900
09-11	74.8	7.530	900	0	0	825	276	2	900
12-14	82.6	8.430	900	0	0	886	580	107	900
15-17	84.7	8.817	898	0	0	881	641	188	898
18-20	75.9	8.082	897	0	0	818	311	13	897
21-23	68.0	6.545	897	0	0	622	40	0	897
ALL HOURS	71.6	11.209	7192	0	0	4972	1856	310	7192

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	56.2	5.601	930	0	0	70	0	0	930
03-05	53.3	5.559	930	0	0	29	0	0	930
06-08	54.0	5.910	930	0	0	51	0	0	930
09-11	66.0	6.952	930	0	0	531	34	0	930
12-14	74.1	7.522	930	0	0	835	206	8	930
15-17	74.9	8.021	930	0	0	836	269	22	930
18-20	65.7	6.754	930	0	0	526	31	0	930
21-23	59.6	5.863	930	0	0	187	0	0	930
ALL HOURS	63.0	10.396	7440	0	0	3065	540	30	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	47.5	5.796	900	0	3	0	0	0	900
03-05	46.0	6.242	900	0	14	0	0	0	900
06-08	45.8	6.461	900	0	19	0	0	0	900
09-11	54.0	6.690	900	0	0	48	0	0	900
12-14	60.5	7.290	900	0	0	297	1	0	900
15-17	60.4	7.439	900	0	0	290	2	0	900
18-20	53.4	5.995	900	0	0	27	0	0	900
21-23	49.3	5.627	900	0	0	2	0	0	900
ALL HOURS	52.1	8.551	7200	0	36	664	3	0	7200

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	41.8	6.336	930	0	61	0	0	0	930
03-05	40.7	6.650	930	0	108	0	0	0	930
06-08	40.1	6.669	930	0	134	0	0	0	930
09-11	44.5	6.647	930	0	49	0	0	0	930
12-14	49.8	6.977	930	0	5	7	0	0	930
15-17	50.5	6.697	930	0	0	7	0	0	930
18-20	45.8	5.924	930	0	3	0	0	0	930
21-23	43.0	6.179	930	0	28	0	0	0	930
ALL HOURS	44.5	7.519	7440	0	388	14	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	54.7	11.329	10956	0	143	2471	71	0	10956
03-05	52.0	10.368	10956	0	271	1333	13	0	10956
06-08	53.7	12.163	10956	0	337	2322	141	0	10956
09-11	63.3	14.583	10956	0	67	5202	1813	60	10956
12-14	70.3	15.614	10956	0	5	6702	3665	820	10956
15-17	72.1	16.362	10954	0	0	6897	4146	1328	10954
18-20	65.1	15.292	10953	0	4	5332	2467	301	10953
21-23	58.2	12.500	10953	0	49	3725	454	0	10953
ALL HOURS	61.2	15.455	87640	0	876	33984	12770	2509	87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	39.7	5.690	930	102	52	0	0	0	930
03-05	38.7	5.890	930	135	40	0	0	0	930
06-08	38.3	6.020	930	161	31	0	0	0	930
09-11	41.8	5.366	930	31	75	0	0	0	930
12-14	45.6	5.270	930	0	226	0	0	0	930
15-17	46.2	5.165	930	0	258	0	0	0	930
18-20	43.3	4.982	930	6	130	0	0	0	930
21-23	41.0	5.220	930	43	69	0	0	0	930
ALL HOURS	41.8	6.181	7440	478	881	0	0	0	7440

MONTH: FEB

00-02	42.1	6.102	846	38	112	0	0	0	846
03-05	40.5	6.437	846	81	82	0	0	0	846
06-08	40.0	6.523	846	100	83	0	0	0	846
09-11	46.1	5.863	846	15	254	0	0	0	846
12-14	50.3	5.509	846	5	477	0	0	0	846
15-17	51.0	5.658	846	0	507	0	0	0	846
18-20	47.7	5.869	846	7	338	0	0	0	846
21-23	44.3	5.934	846	20	198	0	0	0	846
ALL HOURS	45.2	7.202	6768	266	2051	0	0	0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.8	4.509	930	3	201	0	0	0	930
03-05	44.1	4.811	930	10	127	0	0	0	930
06-08	44.5	4.854	930	11	144	0	0	0	930
09-11	50.4	4.383	930	0	528	0	0	0	930
12-14	53.4	4.583	930	0	735	0	0	0	930
15-17	53.7	4.808	930	0	750	0	0	0	930
18-20	51.1	4.754	930	0	570	0	0	0	930
21-23	48.0	4.557	930	0	352	0	0	0	930
ALL HOURS	48.9	5.888	7440	24	3407	0	0	0	7440

MONTH: APR

00-02	48.1	5.045	900	0	353	0	0	0	900
03-05	46.1	4.768	900	2	220	0	0	0	900
06-08	47.8	5.116	900	1	331	0	0	0	900
09-11	53.9	5.087	900	0	709	6	0	0	900
12-14	56.6	5.330	900	0	811	32	0	0	900
15-17	56.8	5.584	900	0	809	41	0	0	900
18-20	54.1	5.701	900	0	690	14	0	0	900
21-23	50.6	5.309	900	0	518	0	0	0	900
ALL HOURS	51.7	6.498	7200	3	4441	93	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	51.6	5.155	930	0	590	0	0	0	930
03-05	49.8	4.837	930	0	446	0	0	0	930
06-08	52.5	5.128	930	0	654	0	0	0	930
09-11	57.5	5.157	930	0	885	40	0	0	930
12-14	60.2	5.119	930	0	919	127	2	0	930
15-17	60.5	5.161	930	0	918	131	2	0	930
18-20	58.1	5.591	930	0	876	71	2	0	930
21-23	54.0	5.294	930	0	734	4	0	0	930
ALL HOURS	55.5	6.480	7440	0	6022	373	6	0	7440

MONTH: JUN

00-02	56.2	4.021	900	0	843	4	0	0	900
03-05	54.4	3.914	900	0	788	0	0	0	900
06-08	57.2	4.071	900	0	872	14	0	0	900
09-11	62.2	4.139	900	0	899	146	2	0	900
12-14	65.1	4.160	900	0	900	339	31	0	900
15-17	65.8	4.215	900	0	900	416	47	0	900
18-20	63.7	4.664	900	0	898	260	16	0	900
21-23	59.0	4.448	900	0	887	42	0	0	900
ALL HOURS	60.5	5.854	7200	0	6987	1221	96	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	58.3	3.752	930	0	928	6	0	0	930
03-05	56.3	3.629	930	0	907	0	0	0	930
06-08	58.6	3.732	930	0	926	17	0	0	930
09-11	64.1	3.715	930	0	930	266	4	0	930
12-14	67.0	3.643	930	0	930	538	51	0	930
15-17	67.9	3.794	929	0	929	597	105	0	929
18-20	66.2	4.291	930	0	930	465	45	0	930
21-23	61.3	4.324	930	0	929	105	1	0	930
ALL HOURS	62.5	5.657	7439	0	7409	1994	206	0	7439

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	58.3	3.192	930	0	930	16	0	0	930
03-05	56.4	3.026	930	0	929	3	0	0	930
06-08	57.9	3.258	930	0	929	11	0	0	930
09-11	63.7	3.200	930	0	930	171	3	0	930
12-14	66.9	3.023	930	0	930	503	37	0	930
15-17	67.9	3.015	930	0	930	597	71	0	930
18-20	65.8	3.626	930	0	930	390	30	0	930
21-23	61.3	3.615	930	0	930	79	4	0	930
ALL HOURS	62.3	5.226	7440	0	7438	1770	145	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	56.2	4.189	900	0	851	8	0	0	900
03-05	54.4	3.993	900	0	793	3	0	0	900
06-08	55.4	4.256	900	0	818	7	0	0	900
09-11	61.2	4.038	900	0	899	96	0	0	900
12-14	64.0	4.106	900	0	900	250	9	0	900
15-17	64.4	4.361	898	0	898	275	24	0	898
18-20	61.9	4.794	897	0	895	163	7	0	897
21-23	58.4	4.438	897	0	877	38	0	0	897
ALL HOURS	59.5	5.645	7192	0	6931	840	40	0	7192

MONTH: OCT

00-02	51.4	4.908	930	0	587	3	0	0	930
03-05	49.4	5.148	930	0	457	2	0	0	930
06-08	49.9	5.247	930	0	488	3	0	0	930
09-11	56.7	4.800	930	0	861	23	1	0	930
12-14	60.1	4.549	930	0	916	53	8	0	930
15-17	60.2	4.635	930	0	917	55	4	0	930
18-20	56.7	4.823	930	0	854	24	2	0	930
21-23	53.5	5.018	930	0	735	5	0	0	930
ALL HOURS	54.7	6.322	7440	0	5815	168	15	0	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	44.5	5.674	900	11	172	0	0	0	900
03-05	43.3	6.064	900	26	140	0	0	0	900
06-08	43.2	6.193	900	41	141	0	0	0	900
09-11	48.9	5.324	900	2	404	0	0	0	900
12-14	52.3	4.990	900	0	607	0	0	0	900
15-17	52.1	5.150	900	0	591	0	0	0	900
18-20	48.5	5.117	900	1	375	0	0	0	900
21-23	45.8	5.331	900	5	220	0	0	0	900
ALL HOURS	47.3	6.518	7200	86	2650	0	0	0	7200

MONTH: DEC

00-02	40.0	5.933	930	96	56	0	0	0	930
03-05	39.0	6.178	930	152	44	0	0	0	930
06-08	38.5	6.279	930	176	37	0	0	0	930
09-11	42.2	5.813	930	59	101	0	0	0	930
12-14	45.8	5.534	930	8	248	0	0	0	930
15-17	46.2	5.352	930	1	267	0	0	0	930
18-20	43.1	5.376	930	16	112	0	0	0	930
21-23	40.9	5.595	930	52	74	0	0	0	930
ALL HOURS	42.0	6.340	7440	560	939	0	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA PERIOD OF RECORD: OCT 80 - SEP 90
LST TO UTC: + 8 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	49.4	8.330	10956	250	5675	37	0	0	10956
03-05	47.7	8.152	10956	406	4973	8	0	0	10956
06-08	48.7	9.030	10956	490	5454	52	0	0	10956
09-11	54.1	9.170	10956	107	7475	748	10	0	10956
12-14	57.3	8.864	10956	13	8599	1842	138	0	10956
15-17	57.8	9.021	10953	1	8674	2112	253	0	10953
18-20	55.0	9.483	10953	30	7598	1387	102	0	10953
21-23	51.5	8.802	10953	120	6523	273	5	0	10953
ALL HOURS	52.7	9.590	87639	1417	54971	6459	508	0	87639

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	37.6	6.310	930	60	536	930	0	930
03-05	36.7	6.495	930	89	472	930	0	930
06-08	36.3	6.506	930	91	448	930	0	930
09-11	39.3	5.802	930	24	638	927	0	930
12-14	41.4	5.820	930	15	752	923	0	930
15-17	41.3	5.967	930	14	768	926	0	930
18-20	40.1	5.890	930	15	700	929	0	930
21-23	38.6	5.939	930	27	610	930	0	930
ALL HOURS	38.9	6.426	7440	335	4924	7425	0	7440

MONTH: FEB

00-02	39.1	7.263	846	43	546	841	0	846
03-05	37.8	7.473	846	74	466	841	0	846
06-08	37.4	7.428	846	74	464	845	0	846
09-11	42.1	7.076	846	27	680	829	0	846
12-14	43.9	7.523	846	22	715	804	0	846
15-17	43.5	8.047	846	33	703	802	0	846
18-20	42.6	7.750	846	30	664	817	0	846
21-23	40.8	7.283	846	29	615	842	0	846
ALL HOURS	40.9	7.894	6768	332	4853	6621	0	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	42.6	5.497	930	14	823	922	0	930
03-05	41.2	5.592	930	12	754	928	0	930
06-08	41.5	5.716	930	19	770	927	0	930
09-11	45.2	5.798	930	10	864	906	0	930
12-14	46.0	6.465	930	11	853	887	0	930
15-17	45.4	6.998	930	20	827	883	0	930
18-20	45.3	6.450	930	12	845	892	0	930
21-23	44.0	5.800	930	9	844	912	0	930
ALL HOURS	43.9	6.341	7440	107	6580	7257	0	7440

MONTH: APR

00-02	43.7	6.602	900	12	769	885	0	900
03-05	42.3	6.393	900	32	737	897	0	900
06-08	43.4	6.478	900	15	771	883	0	900
09-11	45.6	6.802	900	8	804	845	0	900
12-14	45.3	7.443	900	14	778	843	0	900
15-17	44.4	8.029	900	31	756	836	0	900
18-20	45.7	7.928	900	20	770	825	0	900
21-23	45.1	7.143	900	9	790	849	0	900
ALL HOURS	44.5	7.249	7200	141	6175	6863	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	45.9	6.354	930	9	865	878	0	930
03-05	45.3	6.074	930	10	867	894	0	930
06-08	46.4	6.019	930	7	884	871	0	930
09-11	47.3	6.527	930	3	883	834	0	930
12-14	46.7	6.926	930	2	857	824	0	930
15-17	45.5	7.341	930	9	823	845	0	930
18-20	46.7	7.541	930	11	848	813	0	930
21-23	46.5	6.634	930	9	869	846	0	930
ALL HOURS	46.3	6.762	7440	60	6896	6805	0	7440

MONTH: JUN

00-02	49.8	4.851	900	0	894	788	0	900
03-05	49.5	4.664	900	0	893	807	0	900
06-08	50.6	4.509	900	0	895	777	1	900
09-11	52.0	5.239	900	0	897	673	1	900
12-14	52.2	5.964	900	0	894	620	7	900
15-17	51.4	6.692	900	0	884	639	5	900
18-20	52.0	6.483	900	0	883	604	8	900
21-23	50.8	5.655	900	1	891	719	1	900
ALL HOURS	51.0	5.679	7200	1	7131	5627	23	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.9	4.995	930	0	918	830	1	930
03-05	49.7	4.347	930	0	924	857	0	930
06-08	50.7	4.078	930	0	928	831	1	930
09-11	52.6	4.678	930	0	930	674	4	930
12-14	52.8	5.655	930	0	929	602	3	930
15-17	52.4	5.976	929	0	925	598	4	929
18-20	54.0	6.077	930	0	925	508	15	930
21-23	51.8	6.035	930	0	914	672	5	930
ALL HOURS	51.7	5.502	7439	0	7393	5572	33	7439

MONTH: AUG

00-02	50.7	4.204	930	0	930	826	0	930
03-05	50.2	3.735	930	0	928	866	0	930
06-08	51.1	3.478	930	0	929	852	1	930
09-11	53.2	3.806	930	0	930	687	0	930
12-14	53.9	4.457	930	0	930	587	6	930
15-17	53.9	4.730	930	0	928	596	5	930
18-20	55.1	4.709	930	0	929	500	21	930
21-23	52.9	4.821	930	0	928	659	11	930
ALL HOURS	52.6	4.629	7440	0	7432	5573	44	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.8	5.279	900	0	891	783	1	900
03-05	49.0	5.025	900	0	888	826	0	900
06-08	49.7	4.905	900	0	892	802	0	900
09-11	51.4	5.103	900	0	892	722	2	900
12-14	51.2	5.575	900	0	887	697	1	900
15-17	50.6	6.208	898	0	880	695	1	898
18-20	51.9	5.972	897	0	889	656	5	897
21-23	51.0	5.477	897	0	891	721	3	897
ALL HOURS	50.6	5.584	7192	0	7110	5902	13	7192

MONTH: OCT

00-02	47.0	6.049	930	8	886	863	3	930
03-05	45.7	6.322	930	13	868	881	4	930
06-08	46.0	6.365	930	10	872	882	5	930
09-11	49.1	5.881	930	2	899	832	8	930
12-14	49.5	5.922	930	1	905	816	8	930
15-17	49.0	6.026	930	3	895	836	6	930
18-20	49.4	6.077	930	2	895	817	5	930
21-23	48.2	6.061	930	6	892	843	3	930
ALL HOURS	48.0	6.293	7440	45	7112	6770	42	7440

E - 5 - 3 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	41.3	6.822	900	20	655	885	0	900
03-05	40.2	7.156	900	32	617	881	0	900
06-08	40.2	7.116	900	35	628	888	0	900
09-11	43.9	6.368	900	13	803	879	0	900
12-14	44.7	6.471	900	11	818	876	0	900
15-17	44.3	6.674	900	13	793	878	0	900
18-20	43.5	6.506	900	11	776	876	0	900
21-23	42.0	6.641	900	15	704	877	0	900
ALL HOURS	42.5	6.964	7200	150	5794	7040	0	7200

MONTH: DEC

00-02	37.6	6.612	930	58	512	930	0	930
03-05	36.9	6.866	930	77	476	930	0	930
06-08	36.4	6.866	930	76	450	930	0	930
09-11	39.5	6.215	930	32	660	930	0	930
12-14	41.6	6.233	930	24	751	921	0	930
15-17	41.6	6.344	930	22	746	923	0	930
18-20	40.0	6.282	930	25	685	929	0	930
21-23	38.4	6.513	930	42	578	930	0	930
ALL HOURS	39.0	6.811	7440	356	4858	7423	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	44.6	7.651	10956	224	9225	10361	5	10956
03-05	43.7	7.774	10956	339	8890	10538	4	10956
06-08	44.2	8.102	10956	327	8931	10418	8	10956
09-11	46.8	7.562	10956	119	9880	9738	15	10956
12-14	47.5	7.561	10956	100	10069	9400	25	10956
15-17	47.0	7.844	10953	145	9928	9457	21	10953
18-20	47.2	8.260	10953	126	9809	9166	54	10953
21-23	45.9	7.973	10953	147	9526	9800	23	10953
ALL HOURS	45.8	7.966	87639	1527	76258	78878	155	87639

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	100.0	99.6	99.1	96.9	81.7	37.0	86.9	930
03-05	100.0	100.0	100.0	99.7	99.7	98.9	98.0	84.1	38.4	87.6	930
06-08	100.0	100.0	100.0	99.9	99.6	99.5	97.5	83.5	40.4	87.7	930
09-11	100.0	100.0	99.8	99.7	98.6	97.3	91.5	71.9	33.8	84.6	930
12-14	100.0	99.6	99.4	98.5	96.1	87.4	64.8	42.4	16.3	75.4	930
15-17	100.0	99.6	99.4	98.0	92.6	80.0	55.9	33.7	8.3	71.5	930
18-20	100.0	100.0	99.6	99.5	98.9	95.9	85.1	62.0	18.7	80.6	930
21-23	100.0	100.0	99.8	99.8	99.7	98.8	95.3	75.6	30.8	85.3	930
ALL HOURS	100.0	99.9	99.7	99.4	98.1	94.6	85.6	66.9	28.0	82.4	7440

MONTH: FEB

00-02	100.0	100.0	100.0	99.9	98.3	96.7	91.3	62.1	22.8	82.0	846
03-05	100.0	100.0	100.0	99.9	99.4	97.5	92.9	69.3	22.3	83.1	846
06-08	100.0	100.0	100.0	99.9	99.6	97.6	94.0	69.6	25.8	83.8	846
09-11	100.0	100.0	99.9	98.8	95.5	89.1	69.9	42.2	15.6	75.9	846
12-14	100.0	100.0	98.3	94.6	83.0	59.3	33.8	15.8	5.1	63.5	846
15-17	100.0	100.0	97.6	90.8	72.3	47.6	25.5	12.5	3.2	59.2	846
18-20	100.0	100.0	99.6	97.6	91.4	79.3	53.4	27.3	8.2	70.3	846
21-23	100.0	100.0	99.9	99.6	98.2	94.3	80.7	47.9	17.0	78.5	846
ALL HOURS	100.0	100.0	99.4	97.6	92.2	82.7	67.7	43.3	15.0	74.5	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.8	99.7	99.1	96.5	83.1	54.1	16.9	79.3	930
03-05	100.0	100.0	100.0	99.8	99.4	98.4	90.2	60.0	20.8	81.5	930
06-08	100.0	100.0	100.0	99.5	99.0	97.1	89.2	62.9	21.1	81.2	930
09-11	100.0	100.0	99.5	97.8	91.8	78.0	48.9	23.7	5.7	68.9	930
12-14	100.0	99.9	97.3	89.2	74.7	47.4	21.5	7.3	1.3	58.3	930
15-17	100.0	99.5	94.0	84.7	65.2	37.4	16.7	6.8	1.2	54.9	930
18-20	100.0	100.0	99.0	95.2	87.6	72.8	42.8	19.4	3.7	66.4	930
21-23	100.0	100.0	99.7	99.1	96.8	91.1	71.8	41.0	9.6	75.2	930
ALL HOURS	100.0	99.9	98.7	95.6	89.2	77.3	58.0	34.4	10.0	70.7	7440

MONTH: APR

00-02	100.0	100.0	99.7	99.6	94.7	83.2	64.6	39.6	10.7	73.8	900
03-05	100.0	100.0	99.9	99.4	97.2	87.2	74.1	51.7	15.0	77.1	900
06-08	100.0	100.0	100.0	98.8	93.4	81.2	62.1	41.1	11.3	73.4	900
09-11	100.0	99.9	97.8	87.0	61.2	35.8	14.1	5.4	1.3	54.7	900
12-14	100.0	98.3	85.8	59.1	30.0	11.0	5.1	2.8	1.0	43.8	900
15-17	100.0	95.3	77.0	49.9	23.4	9.0	3.7	1.8	.8	40.6	900
18-20	100.0	99.1	95.7	83.4	61.7	37.4	17.0	6.2	.9	54.6	900
21-23	100.0	100.0	99.3	98.0	90.7	72.4	47.3	21.4	3.4	67.7	900
ALL HOURS	100.0	99.1	94.4	84.4	69.0	52.2	36.0	21.3	5.6	60.7	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	98.9	97.4	89.6	70.0	39.0	15.8	2.9	65.9	930
03-05	100.0	100.0	99.6	98.1	95.1	83.7	60.1	31.5	9.6	72.3	930
06-08	100.0	100.0	99.4	96.5	85.4	62.0	34.1	14.7	3.4	64.0	930
09-11	100.0	99.6	93.3	69.5	34.3	12.2	3.1	1.3	.2	45.8	930
12-14	100.0	96.8	68.5	30.8	6.9	2.4	1.6	1.0		35.3	930
15-17	100.0	91.6	52.7	19.2	4.8	2.4	1.3	.2		31.6	930
18-20	100.0	92.6	83.7	55.5	26.3	9.7	3.3	1.5	.2	42.2	930
21-23	100.0	99.9	98.1	92.5	73.3	43.4	16.6	6.1	.6	57.5	930
ALL HOURS	100.0	98.3	86.8	69.9	52.0	35.7	19.9	9.0	2.1	51.8	7440

MONTH: JUN

00-02	100.0	100.0	99.9	95.2	81.6	54.2	25.9	9.1	2.0	61.1	900
03-05	100.0	100.0	100.0	98.6	93.0	76.9	46.1	21.3	6.2	68.6	900
06-08	100.0	100.0	99.6	93.7	77.0	50.8	24.6	9.7	2.3	60.0	900
09-11	100.0	99.6	91.6	61.6	29.7	7.6	2.2	.9	.6	43.8	900
12-14	100.0	96.8	66.0	27.4	7.6	1.3	.8	.7	.2	34.6	900
15-17	100.0	90.1	50.7	15.9	3.3	1.3	1.0	.3	.2	30.6	900
18-20	100.0	97.6	78.0	45.7	17.8	4.4	1.7	.1		39.0	900
21-23	100.0	100.0	98.4	85.3	57.4	26.3	8.4	2.8	.2	52.4	900
ALL HOURS	100.0	98.0	85.5	65.4	45.9	27.9	13.8	5.6	1.5	48.8	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	99.9	98.0	86.8	57.7	24.2	4.7	1.0	.6	51.8	930
03-05	100.0	100.0	99.2	95.3	81.9	54.5	18.6	3.5	.8	59.7	930
06-08	100.0	100.0	98.1	87.2	62.4	30.8	9.2	1.4	.1	53.5	930
09-11	100.0	99.6	84.9	42.8	10.6	1.4	.2			38.3	930
12-14	100.0	92.8	49.5	10.1	1.1	.1				29.8	930
15-17	100.0	88.4	29.1	3.8	.5					26.6	929
18-20	100.0	98.0	74.7	31.3	4.7	.4	.1			35.5	930
21-23	100.0	99.8	95.7	76.8	37.8	5.7	.9	.3	.1	46.2	930
ALL HOURS	100.0	97.3	78.7	54.3	32.1	14.6	4.2	.8	.2	42.7	7439

MONTH: AUG

00-02	100.0	100.0	98.2	89.6	67.7	36.2	12.3	2.2		55.0	930
03-05	100.0	100.0	98.9	95.9	84.5	59.0	25.8	7.4	1.0	61.7	930
06-08	100.0	100.0	99.5	93.1	75.8	47.7	19.7	4.4	.6	58.4	930
09-11	100.0	99.8	91.1	57.6	20.8	1.5	.3			41.4	930
12-14	100.0	97.0	64.6	19.2	1.2	.1				32.7	930
15-17	100.0	95.6	49.2	7.6	.4	.1				29.7	930
18-20	100.0	99.7	88.0	49.4	13.2	1.6	.1			39.7	930
21-23	100.0	99.9	98.3	86.3	54.0	16.2	2.6	.1		50.2	930
ALL HOURS	100.0	99.0	86.0	62.4	39.7	20.3	7.6	1.8	.2	46.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.2	94.9	81.0	54.9	24.1	9.7	1.9	61.1	900
03-05	100.0	100.0	99.7	98.1	90.2	71.0	42.4	15.0	4.9	66.6	900
06-08	100.0	100.0	99.9	97.2	85.8	64.2	36.6	14.6	4.0	64.7	900
09-11	100.0	99.6	93.1	64.8	35.6	13.7	4.4	1.7	.6	45.7	900
12-14	100.0	96.2	65.1	32.9	10.3	3.9	1.9	1.4	.8	35.8	900
15-17	100.0	90.9	54.1	23.1	7.6	4.2	1.9	.7	.3	32.8	898
18-20	100.0	99.9	92.4	64.0	30.5	10.4	5.4	1.7	.7	44.9	897
21-23	100.0	100.0	99.2	92.1	69.9	34.2	14.0	4.3	1.4	56.1	897
ALL HOURS	100.0	98.3	87.8	70.9	51.4	32.1	16.4	6.1	1.8	51.0	7192

MONTH: OCT

00-02	100.0	100.0	100.0	99.0	95.1	86.1	62.6	29.8	5.7	72.2	930
03-05	100.0	100.0	100.0	99.7	97.4	91.4	71.1	44.7	12.0	76.2	930
06-08	100.0	100.0	100.0	99.7	96.9	86.9	68.1	44.3	14.0	75.5	930
09-11	100.0	100.0	99.0	89.2	67.7	36.9	15.7	5.6	2.4	56.1	930
12-14	100.0	99.8	91.1	62.7	24.0	8.9	3.8	1.6	1.3	43.6	930
15-17	100.0	99.2	85.1	52.0	20.8	8.2	3.4	1.9	.9	41.8	930
18-20	100.0	100.0	99.2	92.3	72.9	40.8	15.1	3.3	1.5	57.0	930
21-23	100.0	100.0	100.0	98.9	93.1	75.2	42.4	12.7	2.3	67.0	930
ALL HOURS	100.0	99.9	96.8	86.7	71.0	54.3	35.3	18.0	5.0	61.2	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
	30%	40%	50%	60%	70%	80%						
00-02	100.0	100.0	100.0	100.0	98.7	94.4	81.0	58.3	16.7	79.5		900
03-05	100.0	100.0	100.0	99.7	98.9	96.0	83.0	63.4	21.1	81.0		900
06-08	100.0	100.0	100.0	99.7	99.6	97.1	84.8	64.3	20.2	81.4		900
09-11	100.0	100.0	99.8	98.2	90.8	75.8	53.2	32.4	8.7	70.3		900
12-14	100.0	99.7	98.1	87.6	67.9	44.1	25.1	11.8	2.0	58.0		900
15-17	100.0	99.8	97.0	86.4	65.1	45.7	25.2	11.2	1.2	57.6		900
18-20	100.0	100.0	99.7	98.2	92.3	77.4	55.4	29.7	4.6	70.2		900
21-23	100.0	100.0	100.0	99.6	97.9	89.9	74.3	48.6	10.1	76.7		900
ALL HOURS	100.0	99.9	99.3	96.2	88.9	77.6	60.3	40.0	10.6	71.8		7200

MONTH: DEC

00-02	100.0	100.0	100.0	99.4	98.7	97.2	90.5	75.4	40.9	85.7		930
03-05	100.0	100.0	99.9	99.8	99.0	97.5	91.4	79.4	44.1	86.7		930
06-08	100.0	100.0	100.0	99.8	99.0	98.1	91.5	79.8	44.1	87.0		930
09-11	100.0	100.0	99.8	99.4	98.4	94.4	85.7	67.3	36.3	83.5		930
12-14	100.0	100.0	99.4	98.5	94.0	83.7	63.1	42.5	21.8	75.1		930
15-17	100.0	100.0	99.2	98.2	93.0	80.4	60.9	37.7	15.8	73.3		930
18-20	100.0	100.0	99.9	99.1	97.8	94.2	82.9	60.8	28.3	81.2		930
21-23	100.0	100.0	99.6	98.7	98.2	96.2	89.6	70.9	37.4	84.5		930
ALL HOURS	100.0	100.0	99.7	99.1	97.3	92.7	81.9	64.2	33.6	82.1		7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.5	96.8	88.4	74.3	56.1	36.4	13.2	71.1	10956
03-05	100.0	100.0	99.8	98.6	94.6	84.3	66.0	44.2	16.3	75.1	10956
06-08	100.0	100.0	99.7	97.0	89.4	75.9	59.1	40.7	15.6	72.5	10956
09-11	100.0	99.8	95.8	80.4	61.1	45.1	32.3	21.0	8.8	59.0	10956
12-14	100.0	98.1	81.8	59.0	41.2	29.1	18.5	10.6	4.2	48.8	10956
15-17	100.0	95.8	73.6	52.3	37.3	26.3	16.3	8.9	2.7	45.8	10953
18-20	100.0	99.4	92.4	75.8	57.8	43.6	30.1	17.7	5.6	56.7	10953
21-23	100.0	100.0	99.0	93.9	80.5	61.8	45.2	27.6	9.4	66.4	10953
ALL HOURS	100.0	99.1	92.7	81.7	68.8	55.0	40.5	25.9	9.5	61.9	87639

E - 6 - 7

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFF
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	FFFFFF
PP	AAAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1021.3	1019.4	1017.2	1015.6	1013.5	1011.8	1011.6	1011.7	1012.2	1015.7	1018.6	1020.8	1015.8
	SD	5.629	4.947	4.966	3.845	3.303	2.954	2.708	2.639	3.152	3.430	4.800	5.091	5.379
	TOT OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
0400	MEAN	1021.1	1019.1	1016.9	1015.4	1013.5	1011.9	1011.7	1011.7	1012.2	1015.7	1018.5	1020.6	1015.7
	SD	5.614	4.939	5.019	3.877	3.289	2.907	2.711	2.636	3.126	3.424	4.835	5.200	5.327
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	1021.5	1019.7	1017.7	1016.5	1014.6	1013.0	1012.9	1013.0	1013.4	1016.7	1019.1	1021.1	1016.6
	SD	5.701	4.998	5.158	3.876	3.277	2.867	2.696	2.621	3.079	3.411	4.973	5.244	5.174
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	1022.7	1020.7	1018.5	1017.0	1014.8	1013.1	1013.2	1013.4	1013.9	1017.3	1020.0	1022.3	1017.2
	SD	5.799	5.063	5.151	3.844	3.299	2.821	2.704	2.626	3.079	3.419	5.041	5.254	5.397
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	1020.9	1019.3	1017.2	1015.7	1013.6	1012.1	1012.1	1012.1	1012.4	1015.5	1018.3	1020.4	1015.8
	SD	5.638	5.030	5.083	3.790	3.314	2.834	2.725	2.669	3.055	3.372	4.868	5.234	5.219
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	1020.2	1018.1	1015.9	1014.3	1012.1	1010.7	1010.6	1010.5	1010.9	1014.4	1017.5	1019.8	1014.6
	SD	5.513	4.908	4.874	3.725	3.276	2.831	2.723	2.661	3.077	3.472	4.763	5.102	5.355
	TOT OBS	310	282	310	300	310	300	310	310	299	309	300	310	3650
1900	MEAN	1020.6	1018.6	1016.2	1014.3	1012.1	1010.6	1010.4	1010.4	1011.0	1014.9	1018.0	1020.3	1014.8
	SD	5.523	4.776	4.768	3.720	3.220	2.860	2.689	2.618	3.082	3.534	4.802	5.053	5.502
	TOT OBS	310	281	310	300	310	300	310	310	299	310	300	310	3650
2200	MEAN	1021.2	1019.2	1017.2	1015.5	1013.5	1011.8	1011.6	1011.6	1012.1	1015.7	1018.7	1021.0	1015.7
	SD	5.634	5.027	4.772	3.712	3.224	2.862	2.655	2.662	3.107	3.537	4.872	5.044	5.366
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
ALL HOURS	MEAN	1021.2	1019.3	1017.1	1015.5	1013.5	1011.9	1011.8	1011.8	1012.3	1015.7	1018.6	1020.8	1015.8
	SD	5.676	5.016	5.033	3.897	3.400	2.997	2.859	2.825	3.240	3.556	4.919	5.199	5.402
	TOT OBS	2480	2255	2480	2400	2480	2400	2479	2480	2397	2479	2400	2480	29210

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.16	30.10	30.04	29.99	29.93	29.88	29.88	29.88	29.89	30.00	30.08	30.14	30.00
	SD	.165	.147	.147	.113	.096	.086	.079	.077	.093	.101	.141	.149	.157
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	30.15	30.09	30.03	29.99	29.93	29.88	29.88	29.88	29.89	30.00	30.08	30.14	29.99
	SD	.165	.145	.148	.114	.096	.085	.080	.077	.092	.100	.142	.152	.155
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.16	30.11	30.05	30.02	29.96	29.92	29.92	29.92	29.93	30.02	30.09	30.15	30.02
	SD	.167	.147	.152	.113	.096	.084	.079	.077	.090	.100	.146	.154	.150
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.20	30.14	30.08	30.03	29.97	29.92	29.93	29.93	29.94	30.04	30.12	30.19	30.04
	SD	.169	.149	.152	.113	.096	.083	.079	.077	.090	.100	.148	.154	.157
	TOT OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
1300	MEAN	30.14	30.10	30.04	30.00	29.94	29.89	29.89	29.89	29.90	29.99	30.07	30.13	30.00
	SD	.166	.148	.150	.111	.097	.083	.080	.078	.090	.099	.143	.154	.152
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	30.12	30.06	30.00	29.95	29.89	29.85	29.85	29.85	29.86	29.96	30.05	30.11	29.96
	SD	.161	.145	.143	.109	.096	.083	.080	.078	.090	.102	.140	.150	.156
	TOT OBS	309	282	310	300	310	300	310	310	299	310	300	310	3650
1900	MEAN	30.14	30.08	30.01	29.95	29.89	29.85	29.84	29.84	29.86	29.97	30.06	30.13	29.97
	SD	.161	.144	.140	.109	.094	.084	.079	.077	.091	.104	.141	.148	.160
	TOT OBS	310	282	310	300	310	299	310	310	299	310	300	310	3650
2200	MEAN	30.15	30.10	30.04	29.99	29.93	29.88	29.88	29.88	29.89	30.00	30.08	30.15	30.00
	SD	.165	.148	.141	.109	.094	.084	.078	.078	.091	.104	.143	.148	.156
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
ALL HOURS	MEAN	30.15	30.10	30.04	29.99	29.93	29.89	29.88	29.88	29.90	30.00	30.08	30.14	30.00
	SD	.166	.148	.148	.114	.099	.088	.084	.083	.095	.104	.144	.152	.157
	TOT OBS	2479	2256	2480	2400	2480	2399	2480	2480	2397	2479	2400	2480	29210

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.95	29.89	29.83	29.78	29.72	29.67	29.67	29.67	29.68	29.79	29.87	29.93	29.79
	SD	.165	.146	.146	.112	.096	.086	.079	.077	.093	.101	.141	.149	.157
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	29.94	29.88	29.82	29.78	29.72	29.67	29.67	29.67	29.68	29.79	29.87	29.93	29.78
	SD	.165	.145	.147	.114	.096	.085	.080	.077	.092	.100	.142	.152	.155
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	29.95	29.90	29.84	29.81	29.75	29.71	29.71	29.71	29.72	29.81	29.88	29.94	29.81
	SD	.167	.147	.151	.113	.096	.084	.079	.077	.090	.100	.146	.154	.150
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	29.99	29.93	29.87	29.82	29.76	29.71	29.72	29.72	29.73	29.83	29.91	29.98	29.83
	SD	.169	.148	.151	.113	.096	.083	.079	.077	.090	.100	.147	.153	.157
	TOT OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
1300	MEAN	29.93	29.89	29.83	29.79	29.73	29.68	29.68	29.68	29.69	29.78	29.86	29.92	29.79
	SD	.166	.147	.149	.111	.097	.083	.080	.078	.090	.099	.143	.153	.152
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	29.91	29.85	29.79	29.74	29.68	29.64	29.64	29.64	29.65	29.75	29.84	29.90	29.75
	SD	.161	.145	.143	.109	.096	.083	.080	.078	.090	.102	.140	.149	.156
	TOT OBS	309	282	310	300	310	300	310	310	299	310	300	310	3650
1900	MEAN	29.93	29.87	29.80	29.74	29.68	29.64	29.63	29.63	29.65	29.76	29.85	29.92	29.76
	SD	.161	.144	.140	.109	.094	.083	.079	.077	.091	.104	.141	.148	.160
	TOT OBS	310	282	310	300	310	299	310	310	299	310	300	310	3650
2200	MEAN	29.94	29.89	29.83	29.78	29.72	29.67	29.67	29.67	29.68	29.79	29.87	29.94	29.79
	SD	.165	.147	.140	.109	.094	.084	.078	.078	.091	.104	.143	.148	.156
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
ALL HOURS	MEAN	29.94	29.89	29.83	29.78	29.72	29.68	29.67	29.67	29.69	29.79	29.87	29.93	29.79
	SD	.166	.148	.148	.114	.099	.088	.084	.083	.095	.104	.144	.152	.157
	TOT OBS	2479	2256	2480	2400	2480	2399	2480	2480	2397	2479	2400	2480	29210

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGGG
PP	AAAAAAAAA	RR RR	TT	GG GGGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.1			930	.2			930	.2			930	.3			930
CATEGORY B	.3			1073	.6			1076	.2			1177	.6			1213

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.6			930	.9			930	.2			930	.4			930
CATEGORY B	1.4	.1		1105	1.5	.3		1012	.8			1013	.9	.1		1043

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.5			4650	.4			7440
CATEGORY B	.9	.1		5520	.7	.1		8712

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.4			846	.4	.1		846	.1			846	.5			846
CATEGORY B	.9			899	.4	.2		922	.3			1004	.9			984

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.5			846	1.4			846	.5			846	.5			846
CATEGORY B	3.2	.8		910	2.2	.1		869	1.6	.2		882	1.5	.4	.2	890

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.8			4230	.7	.0		6768
CATEGORY B	1.6	.2		4649	1.3	.2	.0	7360

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.4	.1		930	.2			930	.2			930				930
CATEGORY B	.7	.4		991	.5			987	.5	.1		1037	.9	.1		1010

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.6			930	1.6	.4		930	.4			930	.1			930
CATEGORY B	2.2	.7		980	2.9	.9	.1	973	.8	.1		951	.4	.2		965

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.8	.1		4650	.6	.1		7440
CATEGORY B	1.5	.4	.0	4951	1.1	.3	.0	7894

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				900	.1			900				900	.4			900
CATEGORY B	.1			915	.1			948				959	1.0	.1		915

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.8			900	.9			900	.4			900				900
CATEGORY B	2.3	.1		917	2.4	.3		930	1.1			926				916

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.5			4500	.3			7200
CATEGORY B	1.3	.1		4647	.9	.1		7426

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: MAY

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930				930				930	.1			930
CATEGORY B				938				938	.2			945	.8	.2		945

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	1.0			930	1.0			930	1.5	.1		930				930
CATEGORY B	1.7	.3		946	2.4	.2		942	1.8	.5		939	.5	.1		941

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.7	.0		4650	.4	.0		7440
CATEGORY B	1.4	.3		4717	.9	.2		7534

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUN

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				900				900				900				900
CATEGORY B	.1			904				903				906	.2			900

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.2			900	1.1			900	.6			900				900
CATEGORY B	.8			902	1.8	.4		912	.6			905				905

.....
.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.4			4500	.2			7200
CATEGORY B	.7	.1		4525	.4	.1		7237

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930				930				930	.2			930
CATEGORY B				930				930				930	.3			935

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930	.4	.2		930	.4	.1		930	.1			930
CATEGORY B	.2			930	.6	.2		934	.4	.2		930	.1			930

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.2	.1		4650	.1	.0		7440
CATEGORY B	.3	.1		4659	.2	.1		7449

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: AUG

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930				930				930				930
CATEGORY B				934				933				936				932

.....

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930				930	.1			930				930
CATEGORY B	.4			934	.1			930	.1			930				930

.....
.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				4650	.0			7440
CATEGORY B				4662	.1			7459

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.2			900				900				900				900
CATEGORY B	.2	.1		910				907				911				914

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.3			900	.1			898	.1			897	.2			897
CATEGORY B	.8	.1		916	.6			908	.2	.1		907	.3	.1		904

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.1			4495	.1			7192
CATEGORY B	.3	.0		4556	.3	.1		7277

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: OCT

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930				930				930				930
CATEGORY B				942	.1			972				1012	.1			948

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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.3			930	.3			930	.2			930	.1			930
CATEGORY B	.8	.3		948	.6			952	.4			946	.1			941

.....

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.2			4650	.1			7440
CATEGORY B	.4	.1		4806	.3	.0		7661

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.2			900				900				900	.1			900
CATEGORY B	.4	.1		974				1005	.1			1064	.6	.1		1031

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.3	.1		900	.2			900				900				900
CATEGORY B	.8	.1	.1	946	.3	.1		925				932	.1			951

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.1	.0		4500	.1	.0		7200
CATEGORY B	.4	.1	.0	4898	.3	.1	.0	7828

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A				930	.1			930	.1			930	.2	.2		930
CATEGORY B	.1			1067	.1			1062	.3	.1		1160	.8	.2	.1	1188

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.6	.3		930	.8			930	.4	.2		930	.5			930
CATEGORY B	1.5	.4	.1	1117	1.3	.5		1037	.7	.3		1044	.6	.3		1049

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.4	.2		4650	.3	.1		7440
CATEGORY B	.9	.3	.0	5546	.7	.2	.0	8724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 130-310

STATION NUMBER: 724810 STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: OCT 80 - SEP 90
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.1	.0		10956	.1	.0		10956	.1			10956	.2	.0		10956
CATEGORY B	.2	.1		11477	.2	.0		11583	.1	.0		12041	.5	.1	.0	11915

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.6	.0		10956	.7	.1		10954	.4	.0		10953	.2			10953
CATEGORY B	1.4	.3	.0	11551	1.4	.3	.0	11324	.7	.1		11305	.4	.1	.0	11365

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE15	GE25	OBS	GE10	GE15	GE25	OBS
CATEGORY A	.4	.0		54775	.3	.0		87640
CATEGORY B	.8	.1	.0	58136	.6	.1	.0	92561

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PP	AAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: JAN 48 - SEP 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1948	465	470	406	221	100	5	1		18	75	333	642	2736
1949	773	490	342	64	51				3	110	200	576	2609
1950	628	328	306	84	65	6			9	33	171	407	2037
1951	535	381	311	135	47	3			1	64	260	566	2303
1952	568	401	413	134	27	12			11	13	357	511	2447
1953	413	372	326	155	90	8				73	276	542	2255
1954	570	432	402	78	13	14				62	371	612	2554
1955	705	480	327	256	71					32	370	439	2680
1956	474	496	277	155	26					109	314	593	2444
1957	665	303	266	123	34					48	355	573	2367
1958	526	258	373	146	15				2	12	287	438	2057
1959	448	410	187	32	45				3	28	267	525	1945
1960	546	400	221	144	45					63	397	641	2457
1961	686	340	307	102	23				1	82	350	638	2529
1962	729	461	300	21	37	5			1	98	311	566	2529
1963	721	234	383	326	72	5				69	401	770	2981
1964	622	484	383	209	117	22		8	7	65	423	460	2800
1965	567	446	340	215	64	7			4	24	285	726	2678
1966	627	479	293	73	9	4			2	61	280	608	2436
1967	570	447	360	403	74	22				43	263	704	2886
1968	666	303	321	192	74	5		1	12	94	384	658	2710
1969	607	467	372	195	29	1				139	339	518	2667
1970	467	337	260	211	25	3				127	263	534	2227
1973	574	359	375	111	9					86	334	585	2433
1974	570	481	342	245	72					75	406	654	2845
1975	704	382	424	366	62	6				133	433	628	3138

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1976	596	405	374	235	8	7			3	50	292	587	2557
1977	675	366	420	73	147	3			2	58	319	482	2545
1978	475	409	241	286	58				2	34	395	750	2650
1979	622	484	336	164	42	2				68	357	505	2580
1980	471	339	376	170	96	12			3	85	270	579	2401

1981	518	393	394	193	58					105	260	510	2431
1982	704	398	397	225	32	22			17	82	421	606	2904
1983	621	350	309	259	80	1			4	17	356	440	2437
1984	598	457	265	213	16					156	393	602	2700
1985	705	413	387	107	63	16			18	158	462	781	3110

1986	449	349	280	225	77				50	69	328	631	2458
1987	656	410	362	84	40		2		1	17	371	565	2508
1988	559	376	275	147	85	20			3	34	310	643	2452
1989	692	474	257	84	35				10	94	330	685	2661
1990	591	518	271	60	20	1							1461

MEAN	594	404	330	168	52	5	0	0	5	71	332	587	
SD	90.99	67.91	58.98	87.48	31.63	6.99	.35	1.42	9.54	38.47	64.01	91.39	

****SPL 30YR SUMMATION (1951 -1980)****

MEAN	585	398	332	176	51	5		0	2	67	334	585	
SD	88.77	71.59	61.05	93.46	34.27	6.35		1.64	3.37	33.67	54.43	88.02	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 85

STATION NUMBER: 724810

STATION NAME: CASTLE AFB/MERCED CA
LST TO UTC: + 8

PERIOD OF RECORD: JAN 48 - SEP 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1948							7						7
1949						1	2		1				4
1950						8	22	7	10				47
1951					2		11	3					16
1952							12	1	3				16
1953							10		4				14
1954						17	25						42
1955							4	7	10				21
1956						18	16						34
1957						23	10	1	1				35
1958							1	3	2				6
1959						12	23	9					44
1960						15	44	6					65
1961						63	73	19					155
1962						5	11	2					18
1963						1							1
1964						11	8	3					22
1965							5	1					6
1966						9	3	15					27
1967						6	9	15					30
1968							2						2
1969							11	7	3				21
1970						7	37	5					49
1973					4	37	4	7					52
1974						1	14	2					17
1975							4						4

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1976		3	10			13
1977		4	5	6		15
1978			8	31		39
1979			7			7
1980			20	5		25
1981		11		7		18
1982			1	3		4
1983			5	10		15
1984	2		15	1	3	21
1985		1				1
1988			6	2	2	10
1989			8			8
1990		1	26	28		55
.....						
MEAN		0	6	12	6	1
SD		.75	12.51	14.05	7.68	2.51

****SPL 30YR SUMMATION (1951 -1980)****

MEAN		0	8	14	6	1
SD		.83	14.31	15.53	7.36	2.30

A W S CLIMATIC BRIEF	STATION NAME: CASTLE AFB/MERCED CA												FIELD ELEV: 188 FT		
	LATITUDE/LONGITUDE: 37 23 N 120 34 W												STATION MSC: 724810		
	HOURLY OBS POR: OCT 80 - SEP 90												CALL SIGN: KMER		
	SUMMARY OF DAY POR: JAN 42-NOV 46, DEC 47-SEP 90												SUPERSEDES: APR 86		
SEP 91	HOURS SUMMARIZED: 0000 - 2300 LST														
	LST TO UTC: +08														
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
EXTRM MAX TEMP (F)	75	77	86	97	106	112	111	107	106	99	89	72	112	48	
MEAN MAX TEMP (F)	53	59	64	72	80	88	94	92	87	77	63	53	74	48	
MEAN TEMP (F)	45	50	54	60	67	73	79	77	73	64	53	46	62	48	
MEAN MIN TEMP (F)	38	41	43	47	53	58	63	62	58	51	43	38	50	48	
EXTRM MIN TEMP (F)	20	23	25	33	37	43	50	50	42	32	28	19	19	48	
D/W TEMP GE 100 (F)	0	0	0	0	1	3	6	3	1	0	0	0	14	48	
D/W TEMP GE 90 (F)	0	0	0	1	5	13	25	21	12	2	0	0	79	48	
D/W TEMP LT 40 (F)	20	13	7	2	1	0	0	0	0	1	8	19	71	48	
D/W TEMP LT 33 (F)	7	3	1	0	0	0	0	0	0	#	1	7	19	48	
HEATING DEGREE DAYS	594	404	330	168	52	5	#	#	5	71	332	587	2548	43	
COOLING DEGREE DAYS	0	0	0	0	#	6	12	6	1	0	0	0	25	43	
MEAN DEWPOINT TEMP (F)	38	40	43	44	46	51	51	52	50	48	42	39	45	10	
MEAN WET BULB TEMP (F)	41	45	48	51	55	60	62	62	59	54	47	42	52	10	
99.95% WCPA (FT)	500	500	550	500	500	500	500	500	500	450	500	450	600	10	
MEAN REL HUM 07 LST(%)	87.7	83.8	81.2	73.4	64.0	60.0	53.5	58.4	64.7	75.5	81.4	87.0	72.5	10	
MEAN REL HUM 13 LST(%)	75.4	63.5	58.3	43.8	35.3	34.6	29.8	32.7	35.8	43.6	58.0	75.1	48.8	10	
MAX 24HR PRECIP (IN)	2.22	1.68	2.63	1.68	1.38	.44	.64	.46	1.28	1.77	1.44	1.68	2.63	48	
MAX PRECIP (IN)	8.08	5.74	6.39	3.96	1.68	.46	.64	.49	1.63	2.28	4.32	7.38	24.32	48	
MEAN PRECIP (IN)	2.21	1.94	1.90	1.22	.33	.06	.02	.03	.19	.60	1.51	1.72	11.80	48	
MIN PRECIP (IN)	.02	.09	#	#	.00	.00	.00	.00	.00	.00	.00	.04	6.62	48	
D/W PRECIP GE .01 (IN)	8	7	8	5	2	1	1	1	1	2	6	8	50	48	
D/W PRECIP GT .50 (IN)	1	1	1	1	#	0	#	0	#	1	1	1	7	48	
MAX 24HR SNFL (IN)	.6	#	#	#	0	0	0	0	0	0	#	.9	.9	48	
MAX SNFL (IN)	.7	#	#	#	0	0	0	0	0	0	#	.9	.9	48	
MEAN SNFL (IN)	#	#	#	#	0	0	0	0	0	0	#	#	#	48	
D/W SNFL GE .1 (IN)	#	0	0	0	0	0	0	0	0	0	0	0	#	48	
D/W SNFL GE 1.5 (IN)	0	0	0	0	0	0	0	0	0	0	0	0	0	48	
MAX DLY SNO DEPTH (IN)	#	0	0	0	0	0	0	0	0	0	0	0	#	48	
PRVLNG WND DIR (DEG)	\$11-13	\$32-34	\$32-34	32-34	32-34	32-34	32-34	32-34	32-34	\$32-34	\$32-34	\$11-13	32-34	10	
MEAN WND SPD (KTS)	3	4	4	4	5	6	5	5	4	3	3	3	4	10	
MAX WND SPD (KTS)	51	54	51	48	43	40	30	29	42	43	46	50	54	48	
SKY COVER GT 5/10 (%)	68.7	52.5	51.9	41.7	26.8	16.1	10.7	10.1	18.3	24.7	49.1	69.8	36.6	10	
D/W THUNDERSTORMS	1	1	1	1	1	1	1	1	1	1	1	1	12	48	
D/W FOG (VSBY LT 7 MI)	22	16	9	4	1	1	1	1	2	8	18	23	106	48	
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
LST															
00 - 02	55.4	14.1	4.0	1.7	.5	.0	.0	.0	.0	.8	19.0	58.2	12.8	10	
03 - 05	60.0	20.0	6.8	2.2	.2	.0	.0	.0	.2	2.6	25.2	61.1	14.9	10	
CIG															
06 - 08	65.8	30.4	11.0	4.3	.1	.1	.0	.2	1.1	9.6	33.1	66.3	18.5	10	
LT 3000 FT															
09 - 11	64.3	24.2	8.2	3.7	.9	.3	.0	.0	1.3	2.5	27.4	63.8	16.4	10	
AND/OR															
12 - 14	47.3	11.8	4.3	1.7	.5	.3	.0	.3	.8	1.1	14.8	51.4	11.2	10	
VSBY															
15 - 17	34.6	7.3	3.8	1.0	.2	.1	.0	.0	.3	.9	10.0	40.1	8.2	10	
LT 3 MI															
18 - 20	34.9	8.2	2.3	.6	.0	.0	.0	.0	.3	.6	11.2	44.3	8.5	10	
21 - 23	41.8	9.8	2.7	.8	.0	.0	.0	.0	.1	.5	16.0	51.6	10.3	10	
ALL	50.5	15.7	5.4	2.0	.3	.1	.0	.1	.5	2.3	19.6	54.6	12.6	10	
00 - 02	50.6	11.8	3.3	.2	.0	.0	.0	.0	.0	.6	16.7	55.6	11.6	10	
03 - 05	55.1	17.0	5.9	1.0	.0	.0	.0	.0	.2	2.5	23.1	58.5	13.6	10	
CIG															
06 - 08	62.6	28.8	9.4	2.6	.0	.0	.0	.2	1.1	8.8	31.8	64.6	17.5	10	
LT 1500 FT															
09 - 11	61.1	22.9	6.1	1.1	.3	.3	.0	.0	.9	2.5	25.1	61.6	15.2	10	
AND/OR															
12 - 14	43.9	10.3	1.2	.3	.3	.2	.0	.3	.3	1.0	11.4	48.2	9.8	10	
VSBY															
15 - 17	32.7	6.6	1.2	.2	.0	.1	.0	.0	.3	.8	8.3	36.5	7.2	10	
LT 3 MI															
18 - 20	32.7	6.0	.5	.2	.0	.0	.0	.0	.3	.2	9.2	42.2	7.6	10	
21 - 23	38.4	8.3	1.2	.1	.0	.0	.0	.0	.1	.1	13.4	49.4	9.2	10	
ALL	47.1	14.0	3.6	.7	.1	.1	.0	.1	.4	2.1	17.4	52.1	11.5	10	
00 - 02	41.4	8.5	2.8	.2	.0	.0	.0	.0	.0	.4	13.1	47.0	9.4	10	
03 - 05	47.6	13.0	4.7	.4	.0	.0	.0	.0	.0	1.7	17.4	52.2	11.4	10	
CIG															
06 - 08	55.3	23.2	7.3	1.9	.0	.0	.0	.2	1.0	4.2	24.9	58.6	14.7	10	
LT 1000 FT															
09 - 11	50.3	15.8	3.3	.7	.0	.2	.0	.0	.2	.8	13.6	51.2	11.3	10	
AND/OR															
12 - 14	30.9	5.7	.2	.2	.2	.1	.0	.0	.0	.0	4.0	32.7	6.2	10	
VSBY															
15 - 17	21.8	1.8	.4	.1	.0	.0	.0	.0	.2	.1	2.8	22.4	4.1	10	
LT 2 MI															
18 - 20	25.8	3.0	.3	.0	.0	.0	.0	.0	.0	.0	3.9	31.5	5.4	10	
21 - 23	32.0	5.0	.5	.0	.0	.0	.0	.0	.1	.0	8.3	41.5	7.3	10	
ALL	38.1	9.5	2.5	.4	.0	.0	.0	.0	.2	.9	11.0	42.1	8.8	10	
00 - 02	18.0	3.7	1.3	.0	.0	.0	.0	.0	.0	.1	3.4	24.3	4.2	10	
03 - 05	21.7	6.4	2.4	.3	.0	.0	.0	.0	.0	.4	6.6	27.2	5.4	10	
CIG															
06 - 08	26.3	10.4	2.8	.2	.0	.0	.0	.0	.0	1.2	8.7	30.9	6.7	10	
LT 200 FT															
09 - 11	17.0	5.6	.8	.0	.0	.0	.0	.0	.0	.0	2.7	19.1	3.8	10	
AND/OR															
12 - 14	1.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	.5	10	
VSBY															
15 - 17	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.2	10	
LT 1 1/2 MI															
18 - 20	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.8	.9	10	
21 - 23	9.7	1.9	.0	.0	.0	.0	.0	.0	.0	.0	1.2	16.3	2.4	10	
ALL	12.3	3.5	.9	.1	.0	.0	.0	.0	.0	.2	2.9	16.5	3.1	10	

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : @

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